



# IL-31 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | YP-Ab-10637                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reactivity</b>         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>       | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>          | IL31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Name</b>       | Interleukin-31 (IL-31)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from the Internal region of human IL31. AA range:21-70                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Specificity</b>        | The antibody detects endogenous IL-31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Dilution</b>           | WB 1:500-2000, IHC-p 1:50-200 ELISA 1:10000-20000. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>           | Interleukin-31 (IL-31)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Observed Band</b>      | 65kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cell Pathway</b>       | Secreted .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Tissue Specificity</b> | Detected at low levels in testis, bone marrow, skeletal muscle, kidney, colon, thymus, small intestine and trachea.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Function</b>           | function:Activates STAT3 and possibly STAT1 and STAT5 through the IL31 heterodimeric receptor composed of IL31RA and OSMR. IL31 may function in skin immunity.,induction:Up-regulated in skin homing T-cells of patients with atopic dermatitis (AD) and in activated circulating T-cells. Up-regulated in lesional biopsies of patients with allergic contact dermatitis (ACD).,tissue specificity:Detected at low levels in testis, bone marrow, skeletal muscle, kidney, colon, thymus, small intestine and trachea., |
| <b>Background</b>         | IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004 [PubMed 15184896]).[supplied by OMIM, Mar 2008],                                                                                  |



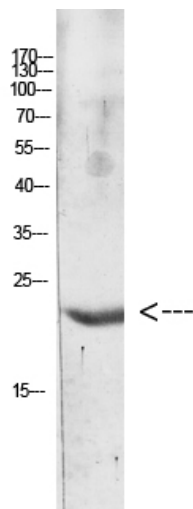
**matters needing attention**

Avoid repeated freezing and thawing!

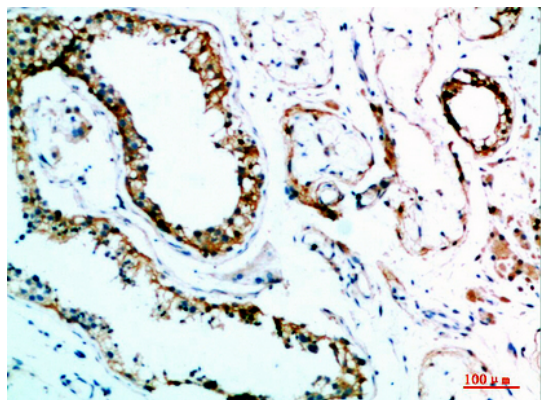
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

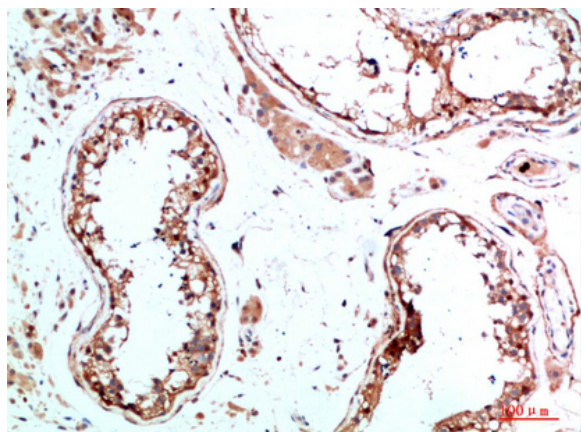
**Products Images**



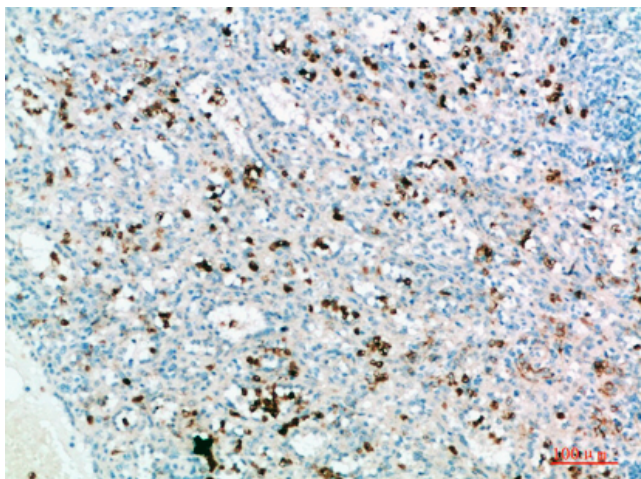
Western blot analysis of Hela Cell Lysate using antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



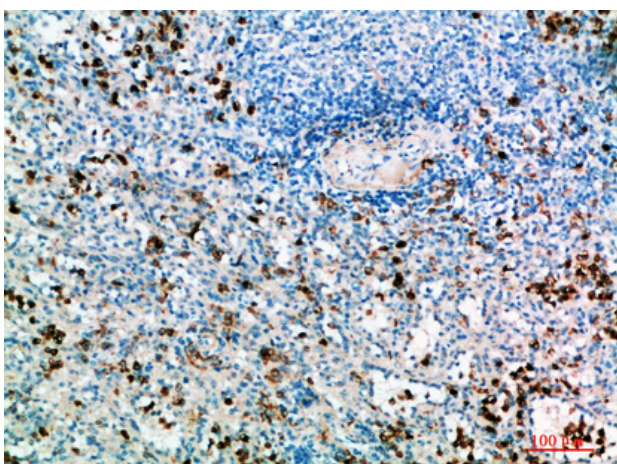
Immunohistochemical analysis of paraffin-embedded human-testis, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-testis, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-spleen, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-spleen, antibody was diluted at 1:200