



# IFN-β Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-10694                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>                | IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>                   | IFNB1 IFB IFNB                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>                   | Synthetic peptide from human protein at AA range: 91-140                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Specificity</b>                 | The antibody detects endogenous IFN-β                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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>                    | 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>                    | IFN beta;IFNB1;IFN β1;IFNB;IFN-β1;IFN-β;IFNB1 IFB IFNB;Interferon beta (IFN-beta) (Fibroblast interferon);Interferon beta (IFN-beta;Fibroblast interferon)                                                                                                                                                                                                                                                                                                                           |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Calculated Molecular Weight</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cell Pathway</b>                | Secreted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tissue Specificity</b>          | PCR rescued clones,                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Function</b>                    | function:Has antiviral, antibacterial and anticancer activities.,online information:Clinical information on Avonex,online information:Clinical information on Betaseron.pharmaceutical:Available under the names Avonex (Biogen), Betaseron (Berlex) and Rebif (Serono). Used in the treatment of multiple sclerosis (MS). Betaseron is a slightly modified form of IFNB1 with two residue substitutions.,similarity:Belongs to the alpha/beta interferon family., subunit:Monomer., |
| <b>Background</b>                  | This gene encodes a cytokine that belongs to the interferon family of signaling proteins, which are released as part of the innate immune response to pathogens. The protein encoded by this gene belongs to the type I class of interferons, which are important for defense against viral infections. In addition,                                                                                                                                                                 |



type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection. [provided by RefSeq, Sep 2015],

**matters needing attention**

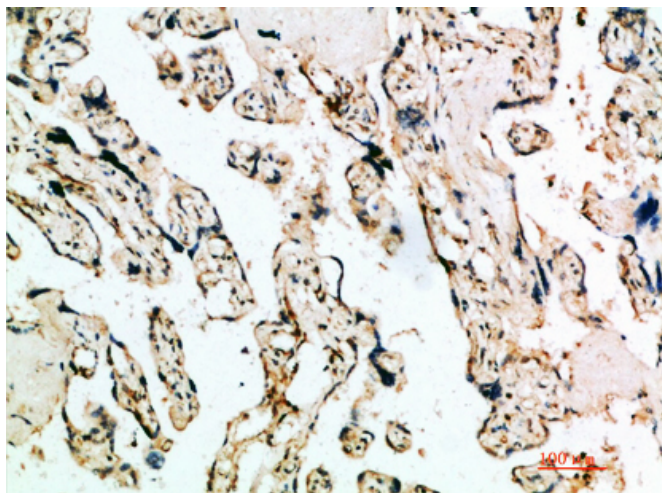
Avoid repeated freezing and thawing!

**Usage suggestions**

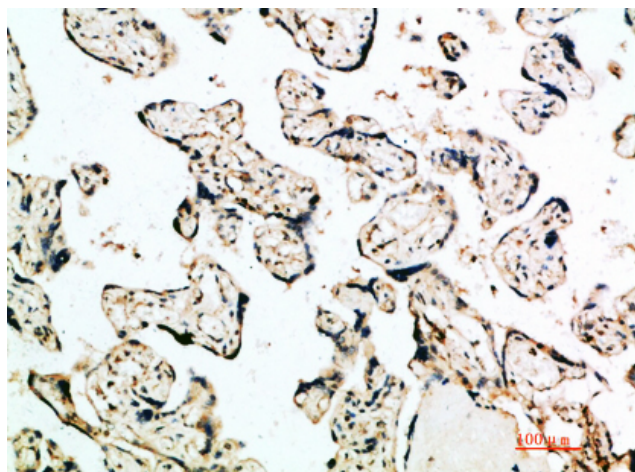
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



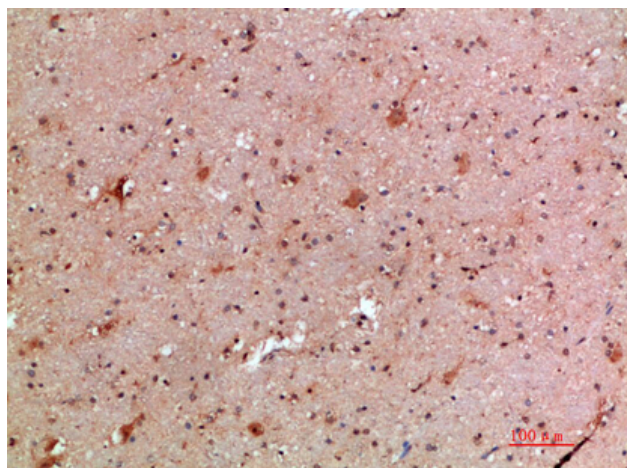
## Products Images



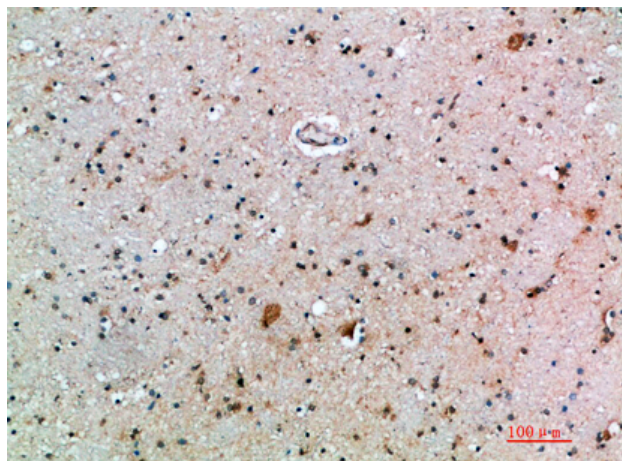
Immunohistochemical analysis of paraffin-embedded human-placenta, antibody was diluted at 1:200



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



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