



# Galectin-8 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-00407                                                                                                                                                                                                                                                                                                                                     |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>                  | Human;Mouse                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>                | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>                   | LGALS8                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human LEG8. AA range:61-110                                                                                                                                                                                                                                                 |
| <b>Specificity</b>                 | Galectin-8 Polyclonal Antibody detects endogenous levels of Galectin-8 protein.                                                                                                                                                                                                                                                                 |
| <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>                    | Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300<br>Not yet tested in other applications.                                                                                                                                                                                                                            |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>                    | LGALS8;Gal 8;Gal-8;Galectin-8;PCTA-1;Po66 carbohydrate-binding protein; Po66-CBP;Prostate carcinoma tumor antigen 1                                                                                                                                                                                                                             |
| <b>Observed Band</b>               | 36kD                                                                                                                                                                                                                                                                                                                                            |
| <b>Calculated Molecular Weight</b> | 36kD                                                                                                                                                                                                                                                                                                                                            |
| <b>Cell Pathway</b>                | Cytoplasmic vesicle . Cytoplasm, cytosol .                                                                                                                                                                                                                                                                                                      |
| <b>Tissue Specificity</b>          | Ubiquitous. Selective expression by prostate carcinomas versus normal prostate and benign prostatic hypertrophy.                                                                                                                                                                                                                                |
| <b>Function</b>                    | domain:Contains two homologous but distinct carbohydrate-binding domains., online information:Galectin-8 C-terminal CRD,online information:Galectin-8 long isoform,similarity:Contains 2 galectin domains.,tissue specificity:Ubiquitous. Selective expression by prostate carcinomas versus normal prostate and benign prostatic hypertrophy., |
| <b>Background</b>                  | This gene encodes a member of the galectin family. Galectins are beta-galactoside-binding animal lectins with conserved carbohydrate recognition domains. The galectins have been implicated in many essential functions including development, differentiation, cell-cell adhesion, cell-matrix interaction,                                   |



growth regulation, apoptosis, and RNA splicing. This gene is widely expressed in tumoral tissues and seems to be involved in integrin-like cell interactions. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],

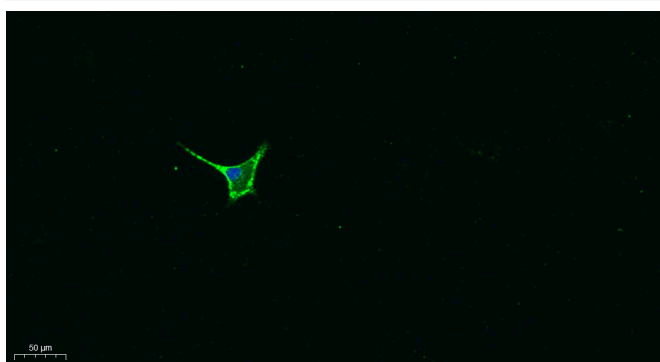
#### matters needing attention

Avoid repeated freezing and thawing!

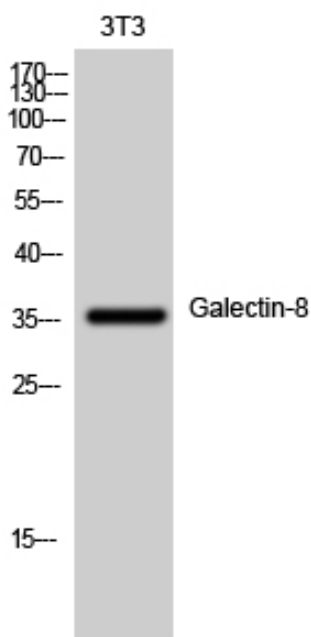
#### Usage suggestions

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

### Products Images



Immunofluorescence analysis of A549. 1, primary Antibody was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min.

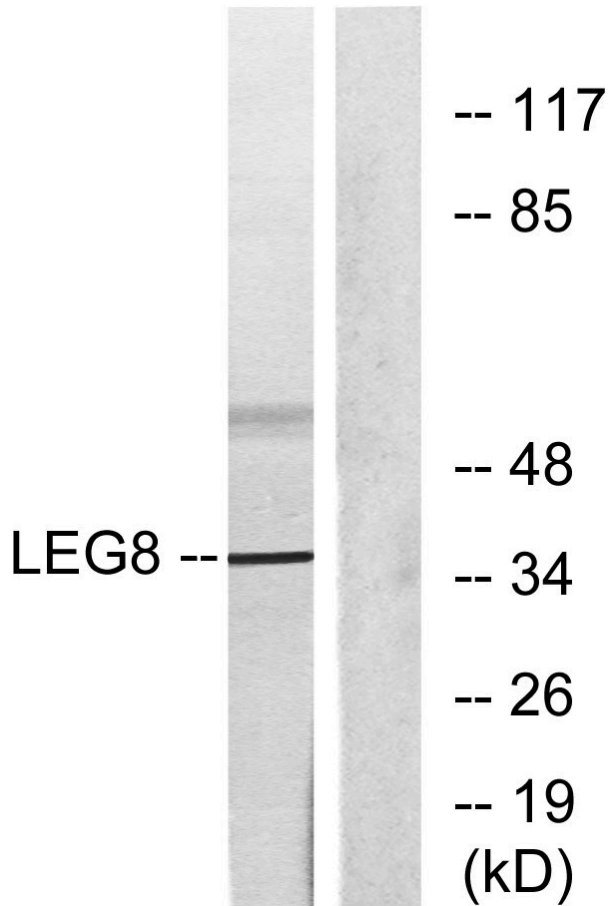


Western Blot analysis of 3T3 cells using Galectin-8 Polyclonal Antibody diluted at 1:1000

Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using LEG8 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, using LEG8 Antibody. The lane on the right is blocked with the synthesized peptide.



-- 117

-- 85

-- 48

-- 34

-- 26

-- 19

(kD)