

Product datasheet for TA378005

Galectin 3 (LGALS3) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ICC/IF, WB

Recommended Dilution: WB,1:500 - 1:2000

IF,1:50 - 1:200

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-1-250 of

human Galectin 3/Galectin 3/LGALS3 (NP_002297.2).

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

Store at -20°C. Avoid freeze / thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 26kDa

Gene Name: lectin, galactoside binding soluble 3

Database Link: Entrez Gene 3958 Human

P17931



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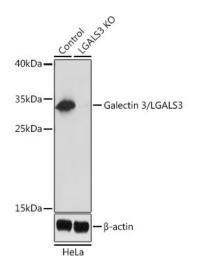
Background:

This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.

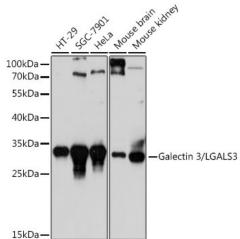
Synonyms:

CBP35; GAL3; GALBP; GALIG; L-31; LGALS2; MAC-2; MAC2

Product images:

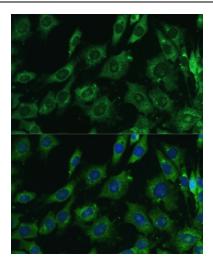


Western blot analysis of extracts from normal (control) and Galectin 3/Galectin 3/LGALS3 knockout (KO) HeLa cells, using Galectin 3/Galectin 3/LGALS3 antibody (TA378005) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 1s.

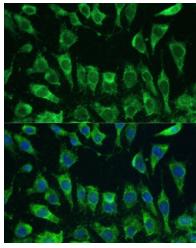


Western blot analysis of extracts of various cell lines, using Galectin 3/Galectin 3/LGALS3 antibody (TA378005) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 1s.

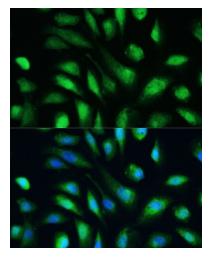




Immunofluorescence analysis of C6 cells using Galectin 3/Galectin 3/LGALS3 antibody (TA378005) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L-929 cells using Galectin 3/Galectin 3/LGALS3 antibody (TA378005) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Galectin 3/Galectin 3/LGALS3 antibody (TA378005) at dilution of 1:100. Blue: DAPI for nuclear staining.