10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Lgals3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19314c

Specification

Mouse Lgals3 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P16110
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**27515**
Antigen Region	**138-167**

Mouse Lgals3 Antibody (Center) - Additional Information

Other Names
Galectin-3, Gal-3, 35 kDa lectin, Carbohydrate-binding protein 35, CBP 35, Galactose-specific lectin 3, IgE-binding protein, L-34 galactoside-binding lectin, Laminin-binding protein, Lectin L-29, Mac-2 antigen, Lgals3

Target/Specificity
This Mouse Lgals3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-167 amino acids from the Central region of mouse Lgals3.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse Lgals3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Lgals3 Antibody (Center) - Protein Information

Name Lgals3

Function Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration (PubMed:15181153). Together with

DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis. In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. Together with TRIM16, coordinates the recognition of membrane damage with mobilization of the core autophagy regulators ATG16L1 and BECN1 in response to damaged endomembranes (By similarity). When secreted, interacts with NK cell-activating receptor NCR3/NKp30 acting as an inhibitory ligand which antagonizes NK cell attack (By similarity).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P17931}. Nucleus {ECO:0000250|UniProtKB:P17931}. Secreted {ECO:0000250|UniProtKB:P17931}. Note=Secreted by a non-classical secretory pathway and associates with the cell surface. Can be secreted; the secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum- Golgi intermediate compartment) followed by vesicle entry and secretion. {ECO:0000250|UniProtKB:P17931}

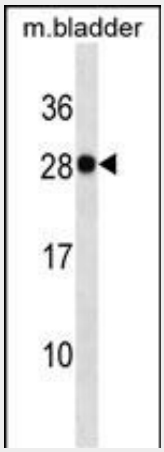
Tissue Location
The highest levels are found in activated macrophages

Mouse Lgals3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Lgals3 Antibody (Center) - Images



Mouse Lgals3 Antibody (Center)(Cat. #AP19314c) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the Lgals3 antibody detected the Lgals3 protein (arrow).

Mouse Lgals3 Antibody (Center) - Background

Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis (By similarity).