

Galectin-8 Polyclonal Antibody

Catalog # AP70023

Specification

Galectin-8 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality WB, IHC-P, IF <u>000214</u> Human, Mouse Rabbit Polyclonal

Galectin-8 Polyclonal Antibody - Additional Information

Gene ID 3964

Other Names LGALS8; Galectin-8; Gal-8; Po66 carbohydrate-binding protein; Po66-CBP; Prostate carcinoma tumor antigen 1; PCTA-1

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions -20°C

Galectin-8 Polyclonal Antibody - Protein Information

Name LGALS8 (HGNC:6569)

Function

Beta-galactoside-binding lectin that acts as a sensor of membrane damage caused by infection and restricts the proliferation of infecting pathogens by targeting them for autophagy (PubMed:22246324, PubMed:28077878). Detects membrane rupture by binding beta-galactoside ligands located on the lumenal side of the endosome membrane; these ligands becoming exposed to the cytoplasm following rupture (PubMed:22246324, PubMed:28077878). Restricts infection by initiating autophagy via interaction with CALCOCO2/NDP52 (PubMed:22246324, PubMed:22246324, PubMed:22246324, PubMed:22246324, PubMed:22246324, PubMed:22246324, PubMed:22246324, PubMed:22246324, PubMed:22246324, PubMed:28077878). Required to restrict infection of bacterial invasion such as S.typhimurium (PubMed:<a



href="http://www.uniprot.org/citations/22246324" target="_blank">22246324). Also required to restrict infection of Picornaviridae viruses (PubMed:28077878). Also required href="http://www.uniprot.org/citations/28077878" target="_blank">28077878). Has a marked preference for 3'-O-sialylated and 3'-O-sulfated glycans (PubMed:21288902).

Cellular Location Cytoplasmic vesicle. Cytoplasm, cytosol

Tissue Location Ubiquitous. Selective expression by prostate carcinomas versus normal prostate and benign prostatic hypertrophy

Galectin-8 Polyclonal Antibody - 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
- <u>Cell Culture</u>

Galectin-8 Polyclonal Antibody - Images



Galectin-8 Polyclonal Antibody - Background

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