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Galectin 8 Antibody

Rabbit mAb
Catalog # AP91905

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	O00214
Reactivity	Human
Clonality	Monoclonal
Other Names	LGALS8; Galectin-8g; Galectin-8; Po66-CBP; PCTA-1; Gal-8; Galectin 8; PCTA1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	35808

Additional Information

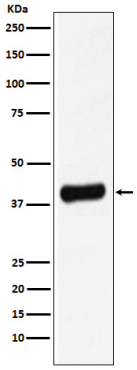
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Galectin 8
Description	Beta-galactoside-binding lectin that acts as a sensor of membrane damage caused by infection and restricts the proliferation of infecting pathogens by targeting them for autophagy.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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:28077878). Required to restrict infection of bacterial invasion such as S.typhimurium (PubMed:22246324). Also required to restrict infection of Picornaviridae viruses (PubMed: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

Images



Western blot analysis of Galectin 8 expression in LNCaP cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.