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

Galectin 8 (14S17) Rabbit Monoclonal Antibody

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Catalog # AP93700

Product Information

Application	WB, IHC-P, ICC, FC, IP, IF
Primary Accession	O00214
Reactivity	Human
Clonality	Monoclonal
Calculated MW	35808

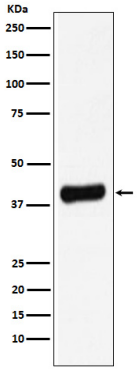
Additional Information

Gene ID	3964
Other Names	Galectin-8 {ECO:0000303|Ref.2}, Gal-8, Po66 carbohydrate-binding protein, Po66-CBP, Prostate carcinoma tumor antigen 1, PCTA-1, LGALS8 (HGNC:6569)
Dilution	WB~~1:1000 IHC-P~~N/A ICC~~N/A FC~~1:10~50 IP~~N/A IF~~1:50~200
Storage Conditions	-20℃

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'.