

# Galectin 8 (14S17) Rabbit Monoclonal Antibody

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Catalog # AP93700

## Product Information

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<b>Application</b>	WB, IHC-P, ICC, FC, IP, IF
<b>Primary Accession</b>	<a href="#">O00214</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Calculated MW</b>	35808

## Additional Information

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

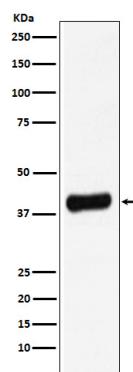
## Protein Information

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<b>Name</b>	LGALS8 ( <a href="#">HGNC:6569</a> )
<b>Function</b>	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: <a href="#">22246324</a> , PubMed: <a href="#">28077878</a> ). Detects membrane rupture by binding beta-galactoside ligands located on the luminal side of the endosome membrane; these ligands becoming exposed to the cytoplasm following rupture (PubMed: <a href="#">22246324</a> , PubMed: <a href="#">28077878</a> ). Restricts infection by initiating autophagy via interaction with CALCOCO2/NDP52 (PubMed: <a href="#">22246324</a> , PubMed: <a href="#">28077878</a> ). Required to restrict infection of bacterial invasion such as <i>S.typhimurium</i> (PubMed: <a href="#">22246324</a> ). Also required to restrict infection of Picornaviridae viruses (PubMed: <a href="#">28077878</a> ). Has a marked preference for 3'-O-sialylated and 3'-O-sulfated glycans (PubMed: <a href="#">21288902</a> ).
<b>Cellular Location</b>	Cytoplasmic vesicle. Cytoplasm, cytosol
<b>Tissue Location</b>	Ubiquitous. Selective expression by prostate carcinomas versus normal prostate and benign prostatic hypertrophy

## Images

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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'.