

For Research Use Only

Galectin-7 Recombinant monoclonal antibody

Catalog Number: 87943-1-RR



Basic Information

Catalog Number:

87943-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG7637

GenBank Accession Number:

NM_002307

GeneID (NCBI):

3963

UNIPROT ID:

P47929

Full Name:

lectin, galactoside-binding, soluble, 7 protein lysate

Calculated MW:

15 kDa

Observed MW:

15 kDa

Purification Method:

Protein A purification

CloneNo.:

260029G6

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse skin tissue, rat skin tissue

IP : rat skin tissue,

Background Information

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β -galactose-containing oligosaccharides (PMID: 8063692). Galectin-7 contains one carbohydrate recognition domain (CRD) and is biologically active as a monomer. It is mainly expressed in stratified epithelium, especially in epidermis. Alterations of galectin-7 expression during cancer progression have been reported. Galectin-7 is involved in epithelial differentiation and development and may have a role in tumour development (PMID: 16429325).

Storage

Storage:

Store at -20°C . Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

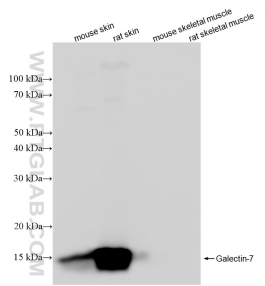
T: 4006900926

E: Proteintech-CN@ptglab.com

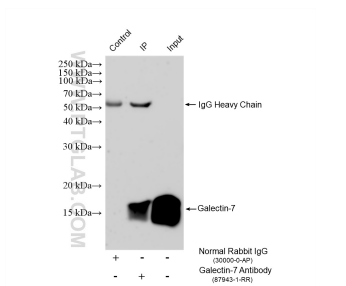
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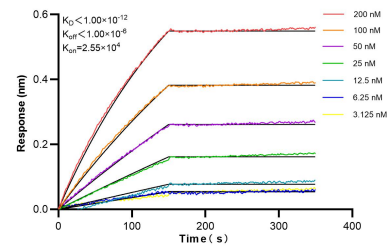
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87943-1-RR (Galectin-7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-Galectin-7 (IP:87943-1-RR, 4ug; Detection:87943-1-RR 1:2000) with rat skin tissue lysate 880 ug.



Biolayer interferometry (BLI) kinetic assays of 87943-1-RR against Human Galectin-7 were performed. The affinity constant is below 1 pM.