

Product datasheet for **UM870081**

Galectin 3 (LGALS3) Mouse Monoclonal Antibody [Clone ID: UMAB189]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB189
Applications:	10k-ChIP, IF, IHC, WB
Recommended Dilution:	IHC 1:100~200
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human LGALS3 (NP_002297) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26 kDa
Gene Name:	Homo sapiens galectin 3 (LGALS3), transcript variant 1, mRNA.
Database Link:	NP_002297 Entrez Gene 16854 Mouse Entrez Gene 3958 Human P17931



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Background:

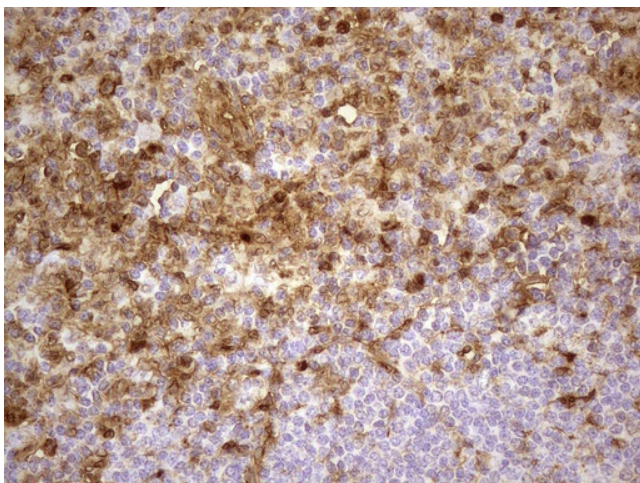
This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]

Synonyms:

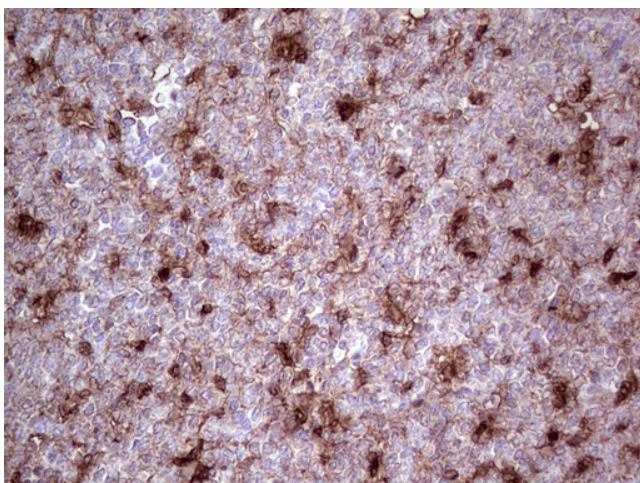
CBP35; GAL3; GALBP; GALIG; L31; LGALS2; MAC2

Protein Families:

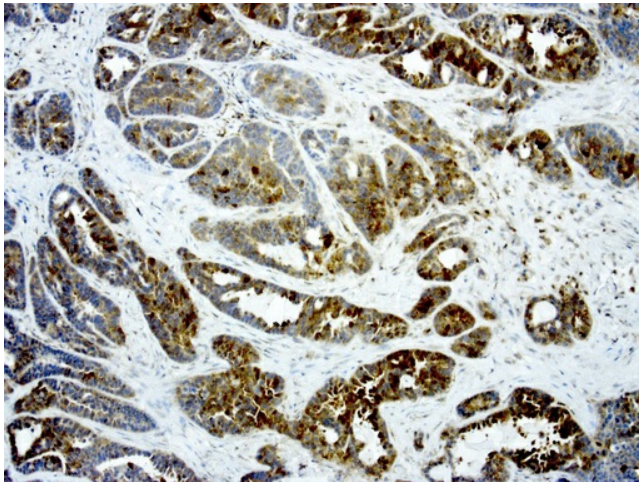
Secreted Protein

Product images:

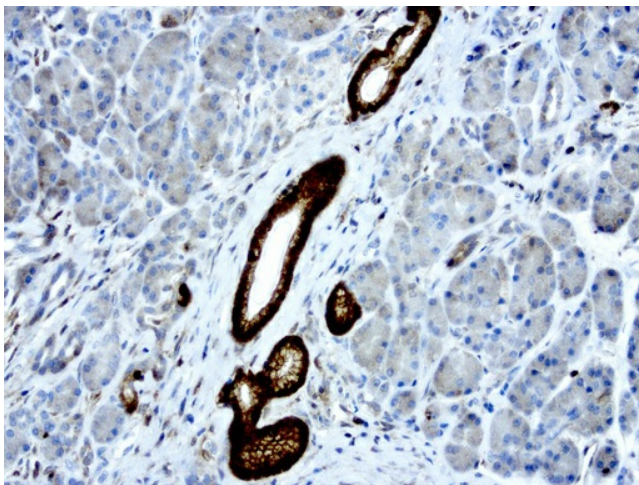
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-LGALS3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, [UM800081]) (1:200)



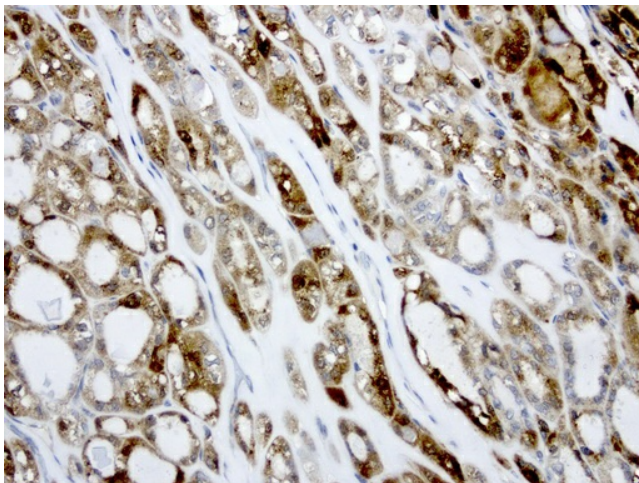
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-LGALS3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, [UM800081]) (1:200)



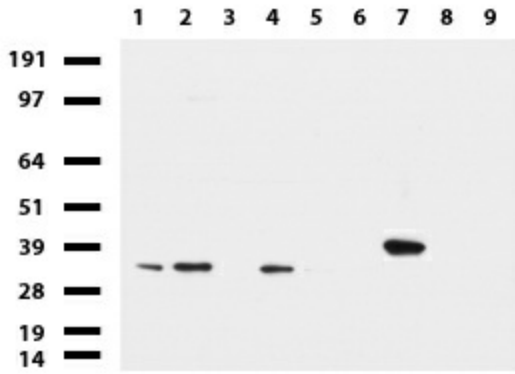
Immunohistochemical staining of paraffin-embedded human ovarian carcinoma using anti-Galectin 3 mouse monoclonal antibody at 1:400 dilution of 1.0 mg/mL using Polink2 Broad HRP DAB for detection. [UM800081] requires HIER with with Accel 3in1 EDTA solution pH8.7 at 110°C for 3min using pressure chamber/cooker. The tumor cells shows strong membrane and cytoplasmic staining.



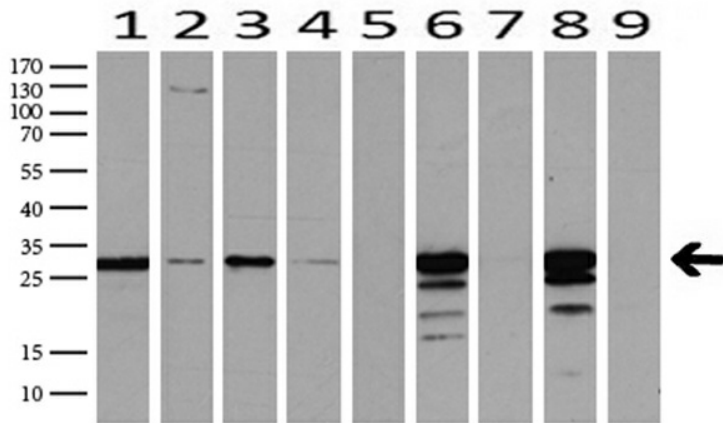
Immunohistochemical staining of paraffin-embedded human pancreas using anti-Galectin 3 mouse monoclonal antibody at 1:400 dilution of 1.0 mg/mL using Polink2 Broad HRP DAB for detection. [UM800081] requires HIER with with Accel 3in1 EDTA solution pH8.7 at 110°C for 3min using pressure chamber/cooker. The show weak cytoplasmic staining in pancreatic cells and strong cytoplasmic and membrane staining in interlobular duct cells.



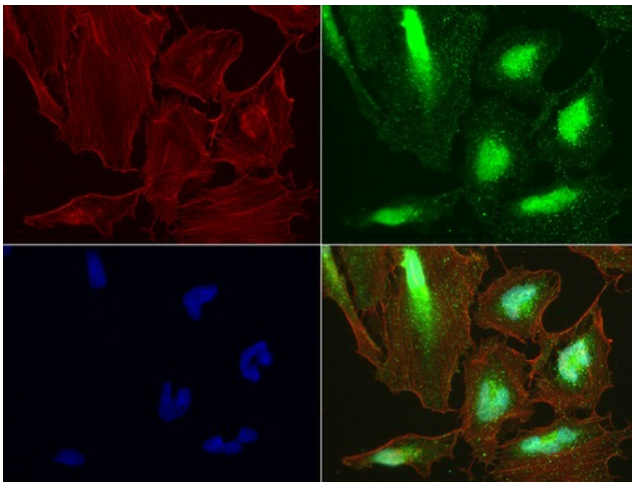
Immunohistochemical staining of paraffin-embedded carcinoma of human thyroid using anti-Galectin 3 mouse monoclonal antibody at 1:400 dilution of 1.0 mg/mL using Polink2 Broad HRP DAB for detection. [UM800081] requires HIER with with Accel 3in1 EDTA solution pH8.7 at 110°C for 3min using pressure chamber/cooker. The tumor cells shows strong membrane and cytoplasmic staining.



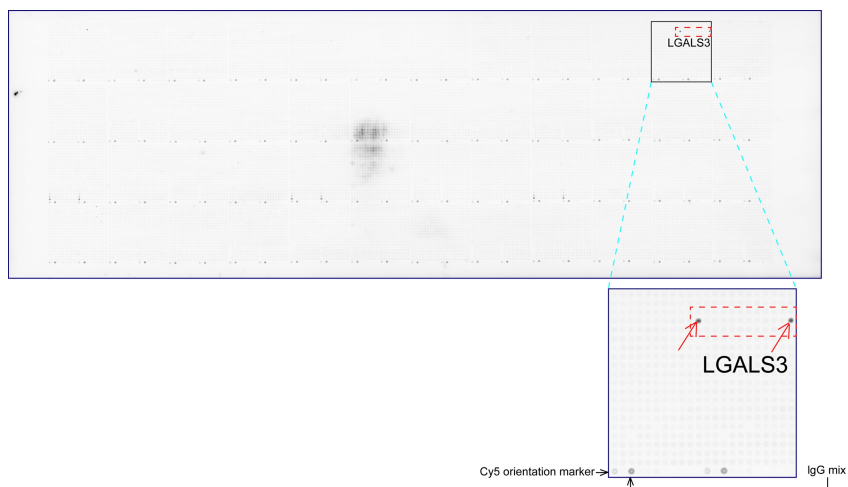
Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549, 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7).



Western blot analysis of extracts (15ug) from 9 Human tissue by using anti-LGALS3 monoclonal antibody (1: Testis; 2: Uterus; 3: Breast; 4: Brain; 5: Liver; 6: Ovary; 7: Thyroid gland; 8: colon;;9:Spleen). (1:500) Dilution: 1:500



Immunofluorescent staining of HeLa cells using anti-LGALS3 mouse monoclonal antibody ([UM800081], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-LGALS3 mouse monoclonal antibody ([UM800081]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification (1:100).