

Product datasheet for **UM800081**

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:	galectin 3
Database Link:	NP_002297 Entrez Gene 16854 Mouse Entrez Gene 3958 Human P17931



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Background:

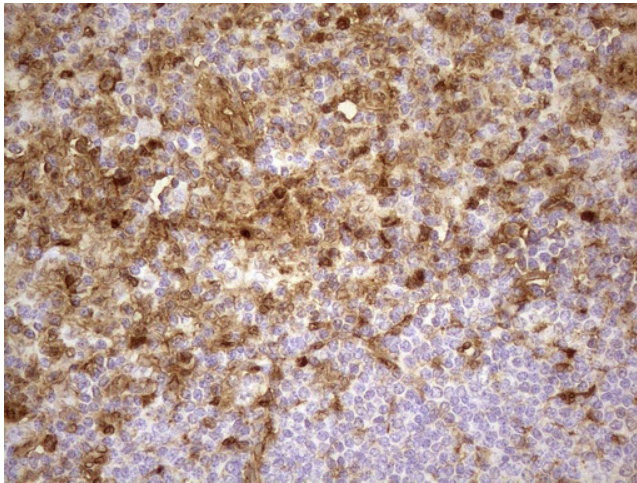
This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This 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:

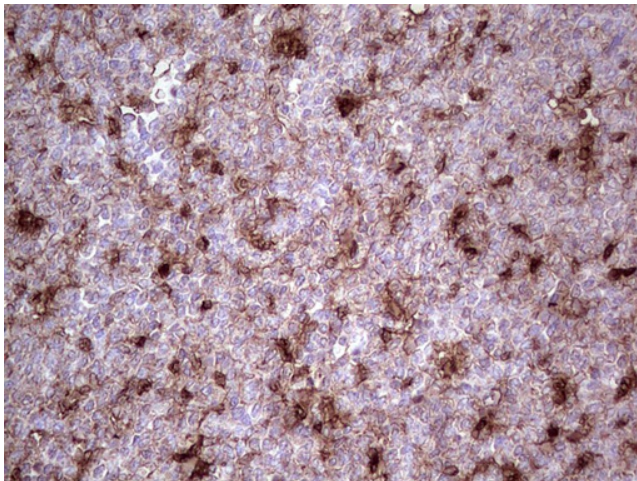
CBP35; GAL3; GALBP; GALIG; L31; LGALS2; MAC2

Protein Families:

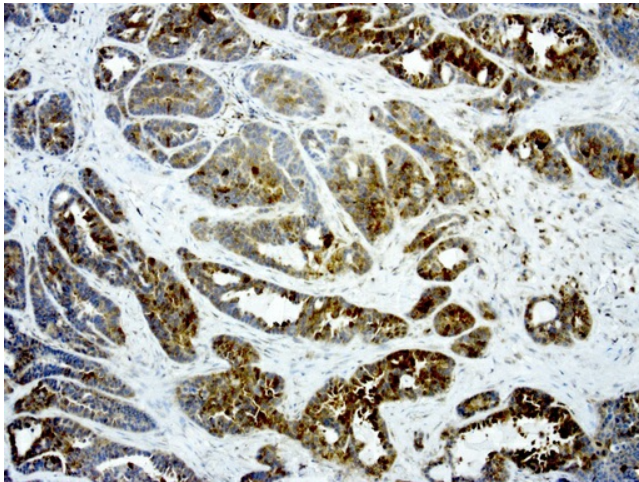
Secreted Protein

Product images:

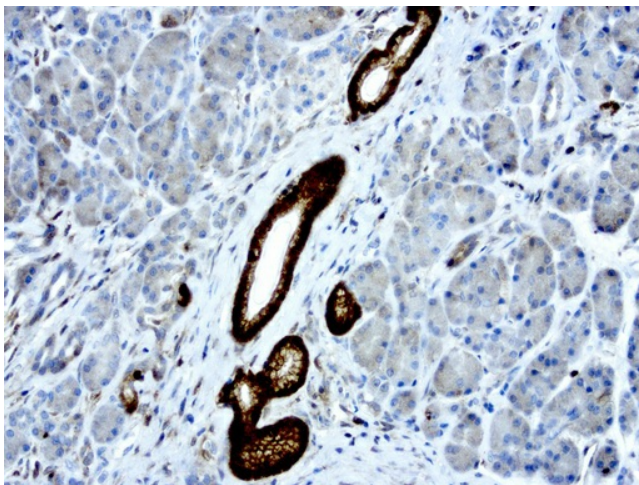
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-LGALS3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, UM800081) (1:200)



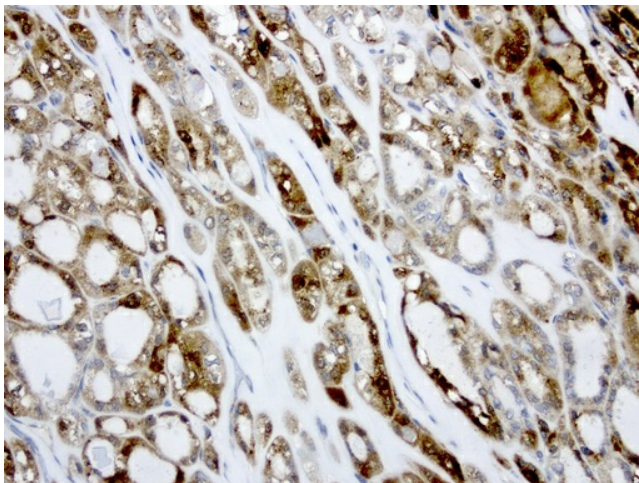
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-LGALS3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, UM800081) (1:200)



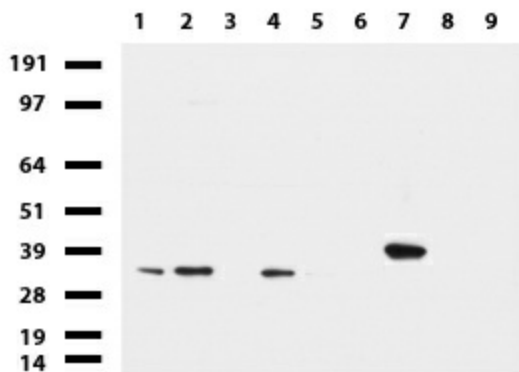
Immunohistochemical staining of paraffin-embedded human ovarian carcinoma using anti-Galectin 3 mouse monoclonal antibody at 1:400 dilution of 1.0 mg/mL using Polink2 Broad HRP DAB for detection. UM800081 requires HIER with with Accel 3in1 EDTA solution pH8.7 at 110°C for 3min using pressure chamber/cooker.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



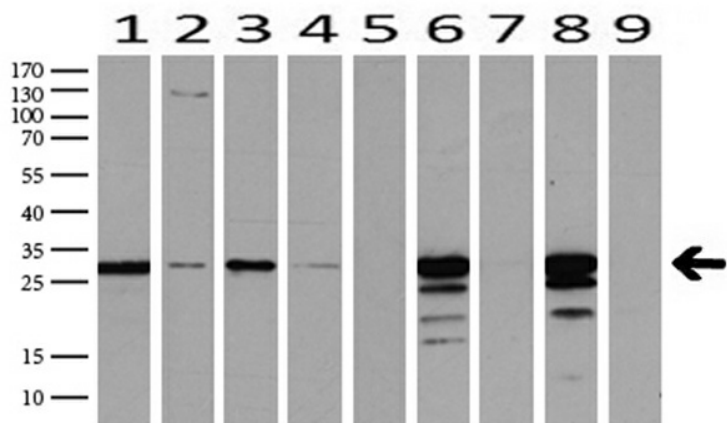
Immunohistochemical staining of paraffin-embedded human pancreas using anti-Galectin 3 mouse monoclonal antibody at 1:400 dilution of 1.0 mg/mL using Polink2 Broad HRP DAB for detection. UM800081 requires HIER with with Accel 3in1 EDTA solution pH8.7 at 110°C for 3min using pressure chamber/cooker. The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



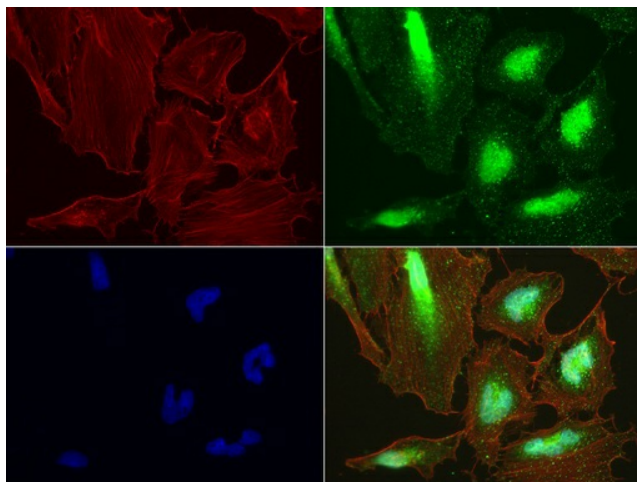
Immunohistochemical staining of paraffin-embedded carcinoma of human thyroid using anti-Galectin 3 mouse monoclonal antibody at 1:400 dilution of 1.0 mg/mL using Polink2 Broad HRP DAB for detection. UM800081 requires HIER with with Accel 3in1 EDTA solution pH8.7 at 110°C for 3min using pressure chamber/cooker.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



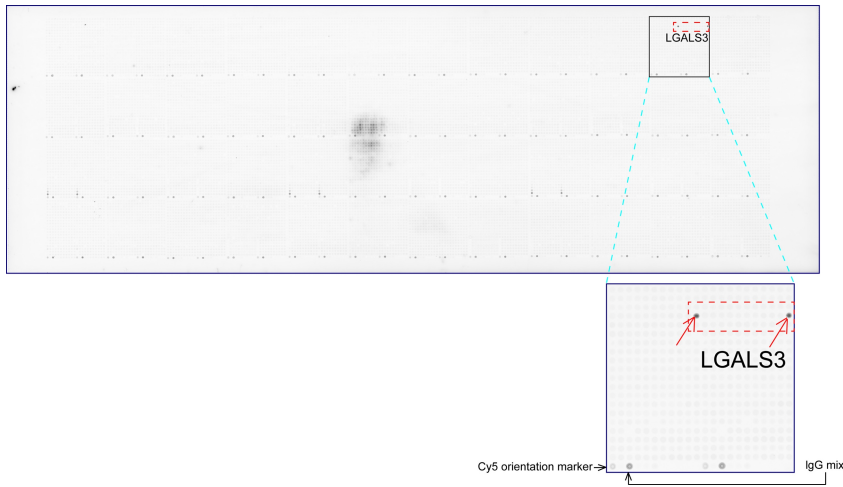
Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549, 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7).



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).