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LGALS7 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19680c

Product Information

Application	WB, E
Primary Accession	P47929
Other Accession	NP_001035972.1, NP_002298.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31765
Calculated MW	15075
Antigen Region	54-82

Additional Information

Gene ID	3963;653499
Other Names	Galectin-7, Gal-7, HKL-14, PI7, p53-induced gene 1 protein, LGALS7, PIG1
Target/Specificity	This LGALS7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-82 amino acids from the Central region of human LGALS7.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LGALS7 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LGALS7
Synonyms	PIG1
Function	Could be involved in cell-cell and/or cell-matrix interactions necessary for

	normal growth control. Pro-apoptotic protein that functions intracellularly upstream of JNK activation and cytochrome c release.
Cellular Location	Cytoplasm. Nucleus. Secreted. Note=May be secreted by a non-classical secretory pathway
Tissue Location	Mainly expressed in stratified squamous epithelium.

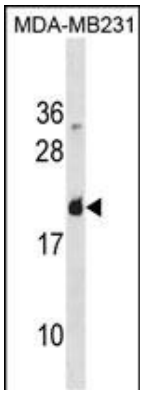
Background

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Differential and in situ hybridization studies indicate that this lectin is specifically expressed in keratinocytes and found mainly in stratified squamous epithelium. A duplicate copy of this gene (GeneID:653499) is found adjacent to, but on the opposite strand on chromosome 19.

References

Demers, M., et al. Am. J. Pathol. 176(6):3023-3031(2010)
Zhu, X., et al. BMC Cancer 10, 290 (2010) :
Park, J.E., et al. Oncol. Rep. 22(6):1373-1379(2009)
Demers, M., et al. Biochem. Biophys. Res. Commun. 387(3):425-429(2009)
Saussez, S., et al. Int. J. Oncol. 34(2):433-439(2009)

Images



LGALS7 Antibody (Center) (Cat. #AP19680c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the LGALS7 antibody detected the LGALS7 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.