10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LIM2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16239b

Product Information

Application	WB, E
Primary Accession	P55344
Other Accession	P54825, P56563, P20274, NP_085915.2, NP_001155220.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32198
Calculated MW	19674
Antigen Region	110-137

Additional Information

Gene ID	3982
Other Names	Lens fiber membrane intrinsic protein, MP18, MP19, MP20, LIM2
Target/Specificity	This LIM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 110-137 amino acids from the C-terminal region of human LIM2.
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	LIM2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LIM2
Function	Present in the thicker 16-17 nm junctions of mammalian lens fiber cells, where it may contribute to cell junctional organization. Acts as a receptor for calmodulin. May play an important role in both lens development and

cataractogenesis.

Cellular Location Membrane; Multi-pass membrane protein.

Tissue Location Eye lens specific..

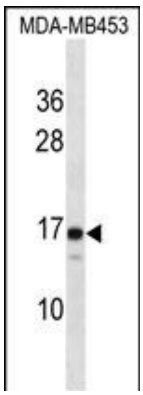
Background

LIM2 is an eye lens-specific protein found at the junctions of lens fiber cells, where it may contribute to cell junctional organization. It acts as a receptor for calmodulin, and may play an important role in both lens development and cataractogenesis. Mutations in this gene have been associated with cataract formation.

References

Ponnam, S.P., et al. Mol. Vis. 14, 1204-1208 (2008) :
Hsu, H., et al. Sheng Wu Gong Cheng Xue Bao 20(4):507-515(2004)
Wistow, G., et al. Mol. Vis. 8, 171-184 (2002) :
Wistow, G., et al. Mol. Vis. 8, 185-195 (2002) :
Pras, E., et al. Am. J. Hum. Genet. 70(5):1363-1367(2002)

Images



LIM2 Antibody (C-term) (Cat. #AP16239b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the LIM2 antibody detected the LIM2 protein (arrow).

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