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# LIM2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16239b

## Product Information

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

## Additional Information

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|---|---|
| **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

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|---|---|
| **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..

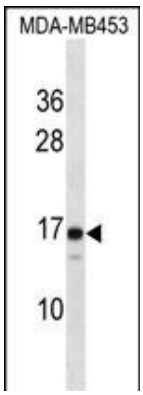
## Background

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).