

**#3389** Store at -20C

## LPP (8B3A11) Mouse mAb


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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP, IHC-P, IF-IC	H M Hm Mk	Endogenous	75	Mouse IgG1	#Q93052	4026

### Product Usage Information

#### Application

Western Blotting  
Immunoprecipitation  
Immunohistochemistry (Paraffin)  
Immunofluorescence (Immunocytochemistry)

#### Dilution

1:1000  
1:50  
1:100  
1:100

### Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

### Specificity / Sensitivity

LPP (8B3A11) Mouse mAb detects endogenous levels of total LPP protein.

### Source / Purification

Monoclonal antibody is produced by immunizing animals with a HIS-tagged recombinant fragment of human LPP.

### Background

LIM-containing lipoma-preferred partner (LPP) belongs to the zyxin family, members of which include LIMD1, ajuba, trip6 and zyxin. Three LIM domains at the carboxy-terminus characterize this family of proteins. Zyxin family members associate with the actin cytoskeleton and are components of both the cell-cell junction adhesive complex and the integrin-mediated adhesive complex (1). They shuttle in and out of the nucleus where they may function in transcriptional activation (1). LPP binding partners at cell-cell contacts include the actin regulator  $\alpha$ -actinin (2) and the human tumor suppressor scrib which regulates cell migration and polarity (3).

### Background References

1. Wang, Y. and Gilmore, T.D. (2003) *Biochim Biophys Acta* 1593, 115-20.
2. Hansen, M.D. and Beckerle, M.C. (2008) *Biochem Biophys Res Commun* 371, 144-8.
3. Petit, M.M. et al. (2005) *BMC Cell Biol* 6, 1.

### Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

### Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

### Applications Key

**WB:** Western Blotting **IP:** Immunoprecipitation **IHC-P:** Immunohistochemistry (Paraffin)  
**IF-IC:** Immunofluorescence (Immunocytochemistry)

### Cross-Reactivity Key

**H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster  
**X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse  
**GP:** Guinea Pig **Rab:** rabbit **All:** all species expected

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