



Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Store at -20C
#3389

LPP (8B3A11) Mouse mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

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

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

Cross-Reactivity Key

H: Human **M:** Mouse **Hm:** Hamster **Mk:** Monkey

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