

## Anti-Paxillin (LD2 Motif) [LD2 sAB] Standard Size Ab00397-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This full-length, reformatted mouse antibody was made using the variable domain sequences of the original Mouse scFv format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1, Fc Silent™, Kappa

**Clone Number:** LD2 sAB

**Alternative Name(s) of Target:** PXN

**UniProt Accession Number of Target Protein:** P49023

**Published Application(s):** WB, ELISA

**Published Species Reactivity:** Human

**Immunogen:** Peptide corresponding to paxillin-LD2 motif (residues 141-156) fused to MBP; peptide sequence: NLSELDRLLELNAVQHNP.

**Specificity:** The antibody binds specifically to the LD-2 motif of human paxillin with a Kd of 24 nM.

**Application Notes:** This antibody binds to the LD2-motif of human paxillin, a signal transduction adaptor protein involved in focal adhesion, with binding partners including integrins, Src, FAK or actin complexes. The antibody inhibits complex formation between paxillin and FAK. Paxillin is involved in both inside-out cell signalling and outside-to-inside cell signalling.

**Antibody First Published in:** Nocola-Lugowska et al. Engineering Synthetic Antibody Inhibitors Specific for LD2 or LD4 Motifs of Paxillin. Journal of Molecular Biology 2015; S0022-2836(15)00344-7 [PMID:26087144](#)

**Note on publication:** Describes the generation and crystallization of two synthetic antibodies against the LD2 and LD4 motifs of human paxillin.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.