Anti-Paxillin (LD4 Motif) [LD4 sAB] Standard Size Ab00396-1.4

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: LD4 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 human paxillin-LD4 motif (residues 260-278) fused to MBP; peptide sequence: WGGSATRELDELMASLSD.
Specificity: The antibody binds specifically to the LD-4 motif of human paxillin with a Kd of 6 nM.
Application Notes: This antibody binds to the LD4-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: Nocula-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 4ºC for up to 3 months. For longer storage, aliquot and store at -

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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.

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