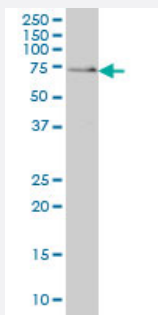


SH3BP2 monoclonal antibody (M01), clone 1E9

Catalog # H00006452-M01

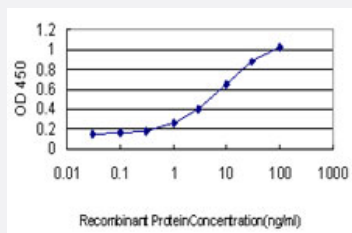
Size 100 ug

Applications



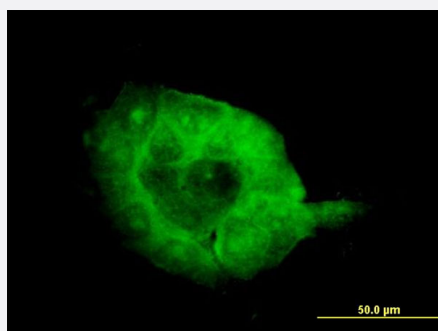
Western Blot (Cell lysate)

SH3BP2 monoclonal antibody (M01), clone 1E9 Western Blot analysis of SH3BP2 expression in A-431 (Cat # L015V1).



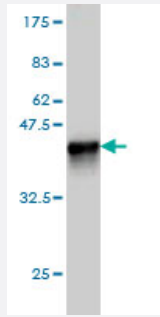
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SH3BP2 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to SH3BP2 on A-431 cell. [antibody concentration 20 ug/ml]



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SH3BP2.
Immunogen	SH3BP2 (AAH22996, 452 a.a. ~ 561 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PLPNSVVFVNTTESCEVERLFKATSPRGEPQDGLYCIRNSSTKSGKVLVWDETSNKVRNYRIFEK DSKFYLEGEVLFVSVGSMVEHYHTHVLP SHQSLLLRHPYGYTGPR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (95)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

SH3BP2 monoclonal antibody (M01), clone 1E9 Western Blot analysis of SH3BP2 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SH3BP2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to SH3BP2 on A-431 cell. [antibody concentration 20 ug/ml]

Gene Info — SH3BP2

Entrez GeneID [6452](#)

GeneBank Accession# [BC022996](#)

Protein Accession# [AAH22996](#)

Gene Name SH3BP2

Gene Alias 3BP2, CRBM, CRPM, FLJ42079, RES4-23

Gene Description SH3-domain binding protein 2

Omim ID [118400 602104](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene has an N-terminal pleckstrin homology (PH) domain, an SH3-binding proline-rich region, and a C-terminal SH2 domain. The protein binds to the SH3 domains of several proteins including the ABL1 and SYK protein tyrosine kinases, and functions as a cytoplasmic adaptor protein to positively regulate transcriptional activity in T, natural killer (NK), and basophilic cells. Mutations in this gene result in cherubism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations -

Publication Reference

- [SH3BP2 Deficiency Ameliorates Murine Systemic Lupus Erythematosus.](#)

Kyoko Kawahara, Tomoyuki Mukai, Masanori Iseki, Akiko Nagasu, Hajime Nagasu, Takahiko Akagi, Shoko Tsuji, Sumie Hiramatsu-Asano, Yasuyoshi Ueki, Katsuhiko Ishihara, Naoki Kashiara, Yoshitaka Morita.

International Journal of Molecular Sciences 2021 Apr; 22(8):4169.

Application: WB-Ti, WB-Tr, Mouse, Mouse lympho node, Mouse spleen

- [Alveolar bone protection by targeting the SH3BP2-SYK axis in osteoclasts.](#)

Kittaka M, Yoshimoto T, Schlosser C, Rottapel R, Kajiya M, Kurihara H, Reichenberger EJ, Ueki Y.

Journal of Bone and Mineral Research 2020 Feb; 35(2):382.

Application: WB, Mouse, Mouse lympho nodes

- [Reciprocal stabilization of ABL and TAZ regulates osteoblastogenesis through transcription factor RUNX2.](#)

Matsumoto Y, La Rose J, Kent OA, Wagner MJ, Narimatsu M, Levy AD, Omar MH, Tong J, Krieger JR, Riggs E, Storozhuk Y, Pasquale J, Ventura M, Yeganeh B, Post M, Moran MF, Grynepas MD, Wrana JL, Superti-Furga G, Koleske AJ, Pendergast AM, Rottapel R.

The Journal of Clinical Investigation 2016 Dec; 126(12):4482.

Application: WB, Mouse, Mouse osteoblasts

Pathway

- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Tobacco Use Disorder](#)