

Datasheet: VMA00904

Description:	MOUSE ANTI SH3KBP1
Specificity:	SH3KBP1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	rAB01-4D6
Isotype:	IgG2a
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/2000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Recombinant IgG prepared by affinity chromatography on Protein A from cell culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 366-665 of human SH3KBP1

External Database Links

UniProt:

[Q96B97](#) [Related reagents](#)

Entrez Gene:

[30011](#) SH3KBP1 [Related reagents](#)

Synonyms CIN85

Specificity **Mouse anti SH3KBP1 antibody** recognizes SH3 domain-containing kinase-binding protein 1, also known as CIN85 and CD2BP3.

SH3KBP1 is a ubiquitously-expressed, multifunctional adaptor protein involved with regulation of multiple cellular housekeeping processes and cell type-specific functions. Central cell functions with SH3KBP1 involvement include vesicle trafficking, cytoskeletal organization, and cell surface receptor signaling ([Keller et al. 2018](#)). The multi-functional abilities of SH3KBP1 can be attributed to its multiple protein-protein binding motifs, allowing SH3KBP1 to interact with a wide range of signaling molecules within vast intracellular networks ([Teng et al. 2016](#)). SH3KBP1 is also an adaptor of EGFR and is pro-oncogenic, affecting apoptosis, adhesion, and invasion. It promotes cancer development and is overexpressed in the most hypoxic areas of tissues ([Kozlova et al. 2019](#)).

Western Blotting Mouse anti SH3KBP1 antibody detects a band of approximately 78 and 84 kDa in THP-1 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee As supplied, 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories

Health And Safety Information Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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