

Datasheet: VMA00904

BATCH NUMBER 100005043

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 Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> --derived recombinant protein of amino acids 366-665 of human SH3KBP1
External Database Links	<p>UniProt: Q96B97 Related reagents</p> <p>Entrez Gene: 30011 SH3KBP1 Related reagents</p>
Synonyms	CIN85
Specificity	<p>Mouse anti SH3KBP1 antibody recognizes SH3 domain-containing kinase-binding protein 1, also known as CIN85 and CD2BP3.</p> <p>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).</p>
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: https://www.bio-rad-antibodies.com/SDS/VMA00904 10040
Regulatory	For research purposes only

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

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