

Datasheet: MCA6353

BATCH NUMBER 157615

Description:	RABBIT ANTI SYNTAXIN-1A
Specificity:	SYNTAXIN-1A
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM367
Isotype:	IgG
Quantity:	0.1 ml

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
Immunohistology - Paraffin	▪			1/500 - 1/1000
Western Blotting	▪			1/1000 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to residues near the N-terminus of human syntaxin-1A
External Database	UniProt:

Links[Q16623](#)[Related reagents](#)**Entrez Gene:**[6804](#)

STX1A

[Related reagents](#)**Synonyms**

STX1

Specificity

Rabbit anti syntaxin-1A antibody recognizes syntaxin-1A, also known as neuron-specific antigen HPC-1 and STX1A.

Syntaxin-1a is a SNARE protein, one of the central components of membrane fusion machinery ([Liang et al. 2017](#)). Membrane fusion is crucial for processes including intracellular transport, neurotransmitter release, and cell fertilization ([Han et al. 2017](#)). To mediate membrane fusion, the membrane SNARES syntaxin-1A and SNAP-25 form a heterodimer which can then offer a target site for the vesicle SNARE VAMP-2 ([Fan et al. 2006](#)). The two isoforms of syntaxin-1, A and B, have high homology. Overexpression of syntaxin-1A has been observed in primary brain tumors and colorectal, lung, and breast cancers ([Raja et al. 2019](#)). Syntaxin-1 has been suggested as a marker of neuroendocrine tumors ([Kóvári et al. 2020](#)).

Storage

Store at -20°C only.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10048 available at:

<https://www.bio-rad-antibodies.com/SDS/MCA6353>

10048

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)**North & South**

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