Datasheet: MCA6362

Description:	RABBIT ANTI FOXP1
Specificity:	FOXP1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM402
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	▪			1/100 - 1/200
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

Species Cross Reactivity

Based on sequence similarity, is expected to react 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

Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

	50% Glycerol
Immunogen	A peptide corresponding to residues near the C-terminus of human Foxp1. This antibody may also react to mouse or rat Foxp1, as predicted by immunogen homology.
External Database Links	**UniProt:** Q9H334 Related reagents **Entrez Gene:** 27086 FOXP1 Related reagents
Specificity	**Rabbit anti Foxp1 antibody** recognizes forkhead box protein P1, also known as Mac-1-regulated forkhead and MFH. FOXP1 is a transcriptional repressor belongs to a family of widely-expressed winged-helix transcription factors involved with cell cycle progression, differentiation, and apoptosis (Sheng et al. 2018). It is also involved with embryonic stem cell pluripotency, development of T and B cells, and proliferation of cardiomyocytes, among other functions (Li et al. 2017). Haploinsufficiency in the FOXP1 gene leads to FOXP1 syndrome, a neurodevelopmental disorder characterized by global developmental delay, intellectual disability, and other features (Siper et al. 2017). FOXP1 has been reported to function as a tumor suppressor or an oncogene in different cancers, depending on cellular context. In B cell lymphoma, for example, FOXP1 behaves as an oncogene and correlates with worse outcome. In lung cancer, loss of FOXP1 is associated with worse outcome (Choi et al. 2015).
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/MCA6362 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

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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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