

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.
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External Database Links	
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UniProt:	
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Q9H334	
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Related reagents	
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Entrez Gene:	
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27086	
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FOXP1	
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Related reagents	
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Specificity	
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Rabbit anti Foxp1 antibody recognizes forkhead box protein P1, also known as Mac-1-regulated forkhead and MFH.	
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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](#)).

References	
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1. Davies, N. <i>et al.</i> (2024) Genome-scale clustered regularly interspaced short palindromic repeats screen identifies nucleotide metabolism as an actionable therapeutic vulnerability in diffuse large B-cell lymphoma. Haematologica. Jun 06 [Epub ahead of print] .	
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Storage	
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Store at -20°C only.	
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Storage in frost-free freezers is not recommended.	
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This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.	
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Guarantee	
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12 months from date of despatch	
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Health And Safety Information	
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Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/MCA6362	
10048	

Regulatory	
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For research purposes only	
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Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

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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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