

Datasheet: VMA00053

Description:	MOUSE ANTI FYN
Specificity:	FYN
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG2b
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	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Bacterially expressed recombinant fragment of human FYN aa 7-176
External Database Links	UniProt: P06241 Related reagents Entrez Gene: 2534 FYN Related reagents
Specificity	Mouse anti Human FYN antibody recognizes FYN, a member of the src family of non receptor

protein tyrosine kinases, expressed by T-cells and natural killer (NK) cells, and highly expressed in brain.

FYN plays a vital role in thymocyte development and T cell activation and is essential for TCR-mediated signal transduction through association with the T-cell receptor (TCR) ϵ chain/CD3 complex. This association, results in protein kinase activation and the subsequent protein tyrosine phosphorylation of multiple immunoreceptor tyrosine-based activation motifs (ITAMs), which triggers the phosphorylation of further substrates downstream in the T-cell signaling cascade.

Recent studies into Alzheimer's disease have implicated FYN in neurodegeneration, through the tyrosine phosphorylation of the microtubule-associated protein tau, a prominent component of neurofibrillary tangles.

Mouse anti Human FYN antibody recognizes FYN as a band of ~61 kDa in western blotting in multiple cell line lysates including myeloid, lymphoid, neuronal, adenocarcinoma, sarcoma and embryonic kidney.

Western Blotting	Anti FYN antibody detects a band of approximately 61 kDa in HEK293 cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	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: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...)[HRP](#)

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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Printed on 02 May 2018