

Datasheet: VMA00028

Description:	MOUSE ANTI PAG
Specificity:	PAG
Other names:	CSK Binding Protein
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
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	■			1/1000

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
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Recombinant protein corresponding to amino acids 97 - 432 of human Cbp/PAG
External Database Links	UniProt: Q9NWQ8 Related reagents Entrez Gene: 55824 PAG1 Related reagents
Synonyms	CBP, PAG
Specificity	Mouse anti Human PAG antibody recognizes human phosphoprotein associated with

glycosphingolipid-enriched microdomains (PAG), also known as Csk-binding protein (Cbp) or transmembrane phosphoprotein Cbp. PAG is a [single pass type III transmembrane protein](#). Mouse anti Human PAG antibody recognizes an epitope located in the cytoplasmic domain which localizes to membrane lipid rafts and is involved in regulation of T-Cell activation.

The engagement of immunoreceptors with natural ligands or antibodies is the initiating factor in a long line of events down a cytosolic signaling cascade. The transmission of signals along the various pathways within this cascade requires the phosphorylation of various substrates, by members of the src and syk families of protein tyrosine kinases (PTKs).

Evidence has shown that by binding to the SH2 domain of the protein tyrosine kinase Csk, a major negative regulator of src-family kinases, PAG acts not only acts as a 'co-factor' for relocating Csk to substrate rich microdomains, but also increases the affinity of Csk for src-family kinases, through the formation of PAG-Csk complexes.

Mouse anti Human PAG antibody recognizes human PAG as a single band of ~80 kDa in human cell line lysates by Western blotting under reducing conditions.

Western Blotting	Anti PAG antibody detects a band of approximately 80 kDa in Raji 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 IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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