

Datasheet: VMA00197KT

Description:	METAP2 ANTIBODY WITH CONTROL LYSATE
Specificity:	METAP2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI1F6
Isotype:	IgG1
Quantity:	2 Westerns

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	20µl Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Recombinant protein corresponding to amino acids 2-212 of human METAP2 (NP_006829) produced in <i>E. coli</i>
External Database	UniProt:

Links

[P50579](#) [Related reagents](#)

Entrez Gene:

[10988](#) METAP2 [Related reagents](#)

Synonyms

MNPEP, P67EIF2

Specificity

Mouse anti Human METAP2 antibody recognizes METAP2, also known as MAP 2, eIF-2-associated p67 homolog, initiation factor 2-associated 67 kDa glycoprotein, metAP 2, methionine aminopeptidase 2, p67, p67eIF2 and peptidase M 2.

METAP2 is a member of the methionyl aminopeptidase family and is a protein that binds 2 cobalt or manganese ions. This protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent protein. Increased expression of METAP2 is associated with various forms of cancer and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. A pseudogene of METAP2 is located on chromosome 2 (provided by RefSeq, Jul 2008).

Mouse anti Human METAP2 antibody detects a band of 63 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti METAP2 detects a band of approximately 63 kDa in K562 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.

Lysate Composition

400µg K562 lysate lyophilized in RIPA buffer.

Lysate Reconstitution

- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.

Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage

Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee

As supplied, 12 months from date of despatch.

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation #10048 #10561 available at:

Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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