

Datasheet: VMA00449KT

Description:	SETD2 ANTIBODY WITH CONTROL LYSATE
Specificity:	SETD2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI1E1
Isotype:	IgG2a
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 fragment corresponding to aa 1787-2144 of human SETD2 (NP_054878) produced in <i>E.coli</i>
External Database	UniProt:

Links[Q9BYW2](#)[Related reagents](#)**Entrez Gene:**[29072](#)

SETD2

[Related reagents](#)**Synonyms**

HIF1, HYPB, KIAA1732, KMT3A, SET2

Specificity

Mouse anti Human SETD2 antibody recognizes SETD2, also known as histone-lysine N-methyltransferase SETD2, huntingtin interacting protein 1, huntingtin yeast partner B, HYPB, huntingtin-interacting protein B, HIF-1, HIP-1, lysine N-methyltransferase 3A, KMT3A and HBP231.

Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. The SETD2 gene encodes a protein belonging to a class of huntingtin interacting proteins characterized by WW motifs. This protein is a histone methyltransferase that is specific for lysine-36 of histone H3, and methylation of this residue is associated with active chromatin. This protein also contains a novel transcriptional activation domain and has been found associated with hyperphosphorylated RNA polymerase II (provided by RefSeq, Aug 2008).

Mouse anti Human SETD2 antibody detects a band of 297 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti SETD2 detects a band of approximately 297 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.

Lysate Composition

400µg Raji 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

Material Safety Datasheet documentation #10048 #10561 available at:

Information 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>

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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