

Datasheet: VMA00144

Description:	MOUSE ANTI UBE2M
Specificity:	UBE2M
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT12D9
Isotype:	IgG1
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 from ascites.
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human UBE2M produced in HEK293T cells
External Database Links	<p>UniProt: P61081 Related reagents</p> <p>Entrez Gene: 9040 UBE2M Related reagents</p>
Synonyms	UBC12

Specificity **Mouse anti Human UBE2M antibody** recognizes UBE2M, also known as NEDD8 carrier protein, NEDD8 protein ligase, NEDD8-conjugating enzyme Ubc12, ubiquitin carrier protein M, ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast), ubiquitin-protein ligase M or yeast UBC12 homolog.

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. The UBE2M gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein is linked with a ubiquitin-like protein, NEDD8, which can be conjugated to cellular proteins, such as Cdc53/culin (provided by RefSeq, Jul 2008).

Mouse anti Human UBE2M antibody detects a band of 21 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti UBE2M detects a band of approximately 21 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 #10048 available at: Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

Regulatory For research purposes only

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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