

Datasheet: VPA00105KT

Description:	TRAP2 ANTIBODY WITH CONTROL LYSATE
Specificity:	TRAP2
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
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
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	20µl Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5 % BSA
Immunogen	Peptide with the sequence C-VILRKNPNYDL, from the C Terminus of the protein sequence.
External Database Links	<p>UniProt: Q13200 Related reagents</p> <p>Entrez Gene: 5708 PSMD2 Related reagents</p>
Synonyms	TRAP2

Specificity	<p>Goat anti Human TRAP2 antibody recognizes TRAP2, also known as 26S proteasome regulatory subunit RPN1, 26S proteasome regulatory subunit S2, 26S proteasome subunit p97, protein 55.11 or tumor necrosis factor type 1 receptor-associated protein 2.</p> <p>The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. TRAP2 (or PSMD2) encodes one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1. Alternative splicing results in multiple transcript variants of TRAP2 (provided by RefSeq, Jul 2013).</p> <p>Goat anti Human TRAP2 antibody detects a band of 100 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti TRAP2 detects a band of approximately 100 kDa in HeLa 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 HeLa lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>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.</p>
Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>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.</p>
Guarantee	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	<p>Material Safety Datasheet documentation #10058 #10561 available at:</p> <p>Antibody (10058): https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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