

Datasheet: VPA00626KT

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| Description: | NPEPPS ANTIBODY WITH CONTROL LYSATE |
| Specificity: | NPEPPS |
| 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
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

20µl Rabbit polyclonal antibody purified by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
 2% Sucrose

Immunogen

Synthetic peptide encompassing part of the middle region of human NPEPPS

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| External Database Links | UniProt: P55786 Related reagents |
| | Entrez Gene: 9520 NPEPPS Related reagents |
| Synonyms | PSA |
| Specificity | <p>Rabbit anti Human NPEPPS antibody recognizes puromycin-sensitive aminopeptidase, also known as cytosol alanyl aminopeptidase, AAP-S or metalloproteinase MP100.</p> <p>The NPEPPS gene encodes the puromycin-sensitive aminopeptidase, a zinc metallopeptidase which hydrolyzes amino acids from the N-terminus of its substrate. The protein has been localized to both the cytoplasm and to cellular membranes. This enzyme degrades enkaphalins in the brain, and studies in mouse suggest that it is involved in proteolytic events regulating the cell cycle (provided by RefSeq, Jul 2008).</p> <p>Rabbit anti Human NPEPPS antibody detects a band of 103 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| Western Blotting | Rabbit anti NPEPPS detects a band of approximately 103 kDa in NIH/3T3 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 NIH/3T3 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 #10045 #10561 available at:</p> <p>Antibody (10045): https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p> |

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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