

Datasheet: VPA00592KT

Description:	ERLIN-2 ANTIBODY WITH CONTROL LYSATE
Specificity:	ERLIN-2
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
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 (NaN ₃) 2% Sucrose.
Immunogen	Synthetic peptide directed towards the middle region of human erlin-2

External Database Links

UniProt:

[O94905](#)

[Related reagents](#)

Entrez Gene:

[11160](#)

ERLIN2

[Related reagents](#)

Synonyms	C8orf2, SPFH2
Specificity	<p>Rabbit anti Human erlin-2 antibody recognizes erlin-2, also known as SPFH domain family, member 2, endoplasmic reticulum lipid raft-associated protein 2 or stomatin-prohibitin-flotillin-HflC/K domain-containing protein 2.</p> <p>The ERLIN2 gene encodes a member of the SPFH domain-containing family of lipid raft-associated proteins. The encoded protein is a 339 amino acid ~43 kDa single pass type II transmembrane protein localized to lipid rafts of the endoplasmic reticulum membrane and plays a critical role in inositol 1,4,5-trisphosphate (IP3) signaling by mediating ER-associated degradation of activated IP3 receptors. Mutations in ERLIN2 are a cause of Spastic paraplegia 18, autosomal recessive (SPG18). Alternatively spliced transcript variants encoding multiple isoforms have been observed for ERLIN2 (provided by RefSeq, Feb 2012).</p> <p>Rabbit anti Human erlin-2 antibody detects a band of 43 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti erlin-2 detects a band of approximately 43 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.
Lysate Composition	400µg HEK293 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>
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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