

Rabbit Erlin-2/ERLIN2 Polyclonal Antibody | anti-ERLIN2 antibody

Anti-Erlin-2/ERLIN2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126479	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Erlin-2/ERLIN2; Polyclonal Antibody; Anti-Erlin-2/ERLIN2 Antibody Picoband; anti-ERLIN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ERLIN2 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Erlin-2/ERLIN2 recombinant protein (Position: D87-N339).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of Caco-2 cells using anti-Erlin-2/ERLIN2 antibody (AAA126479). Overlay histogram showing Caco-2 cells stained with AAA126479 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Erlin-2/ERLIN2 Antibody (AAA126479, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of Erlin-2/ERLIN2 using anti-Erlin-2/ERLIN2 antibody (AAA126479). Erlin-2/ERLIN2 was detected in an immunocytochemical section of T-47D cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-Erlin-2/ERLIN2 Antibody (AAA126479) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of Erlin-2/ERLIN2 using anti-Erlin-2/ERLIN2 antibody (AAA126479). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: human T-47D whole cell lysates, Lane 4: human U-87MG whole cell lysates, Lane 5: rat kidney tissue lysates, Lane 6: rat testis tissue lysates, Lane 8: rat liver tissue lysates, Lane 9: mouse kidney tissue lysates, Lane 10: mouse testis tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Erlin-2/ERLIN2 antigen affinity purified polyclonal antibody (#AAA126479) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Erlin-2/ERLIN2 at approximately 43 kDa. The expected band size for Erlin-2/ERLIN2 is at 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ERLIN2 antibody	Erlin-2 is a protein that in humans is encoded by the ERLIN2 gene. This gene encodes a member of the SPFH domain-containing family of lipid raft-associated proteins. The encoded protein is localized to lipid rafts of the endoplasmic reticulum and plays a critical role in inositol 1,4,5-trisphosphate (IP3) signaling by mediating ER-associated degradation of activated IP3 receptors. Mutations in this gene are a cause of spastic paraplegia-18 (SPG18). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Product Categories/Family for anti-ERLIN2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	51242968
NCBI GeneID	11160
NCBI Accession #	NP_001003790.1
NCBI GenBank Nucleotide #	NM_001003790.3
UniProt Accession #	O94905; Q6NW21; Q86VS6; Q86W49; A0JLQ1; A8K5S9; B4DM38; D3DSW0
Molecular Weight	22,939 Da
NCBI Official Full Name	erlin-2 isoform 2
NCBI Official Synonym Full Names	ER lipid raft associated 2
NCBI Official Symbol	ERLIN2
NCBI Official Synonym Symbols	NET32; SPFH2; SPG18; C8orf2; Erlin-2
NCBI Protein Information	erlin-2; SPFH domain family, member 2; endoplasmic reticulum lipid raft-associated protein 2; stomatin-prohibitin-flotillin-HflC/K domain-containing protein 2
UniProt Protein Name	Erlin-2
UniProt Gene Name	ERLIN2
UniProt Synonym Gene Names	C8orf2; SPFH2; SPFH domain-containing protein 2
UniProt Entry Name	ERLN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/erlin-2-erlin2-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126479>