

Rabbit EPS15 Polyclonal Antibody | anti-EPS15 antibody

Anti-EPS15 antibody

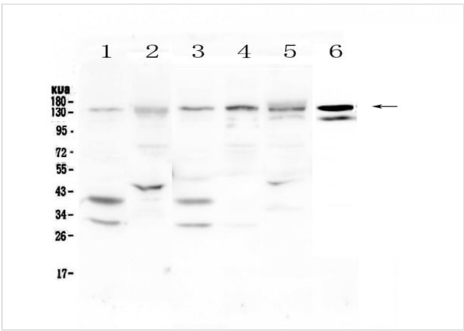
CATALOG # AAA124660	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

EPS15; Polyclonal Antibody; Anti-EPS15 antibody; Epidermal growth factor receptor substrate 15; Protein Eps15; Protein AF-1p; AF1P; anti-EPS15 antibody

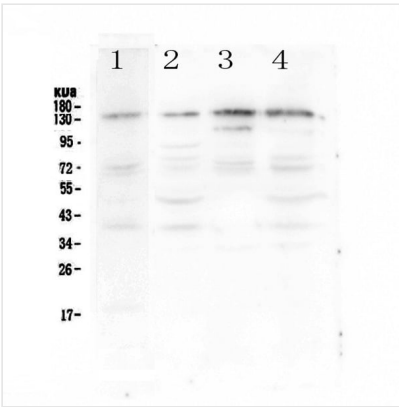
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	582
Applicable Applications for anti-EPS15 antibody	WB (Western Blot), ELISA
Immunogen	E Coli-derived human EPS15 recombinant protein (Position: A2-E88).
Subcellular Localization	Cytoplasm. Cell membrane; Recruited to the plasma membrane upon EGFR activation and localizes to coated pits. Colocalizes with UBQLN1 in ubiquitin- rich cytoplasmic aggregates that are not endocytic compartments and in cytoplasmic juxtannuclear structures called aggresomes.
Tissue Specificity	Ubiquitously expressed.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)

Figure 2. Western blot analysis of EPS15 using anti-EPS15 antibody (AAA124660). 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 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat liver tissue lysates, Lane 3: mouse brain tissue lysates, Lane 4: mouse spleen tissue lysates, Lane 5: mouse liver tissue lysates, Lane 6: mouse testis tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-EPS15 antigen affinity purified polyclonal antibody at 0.5ug/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 1:10000 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 EPS15 at approximately 140KD. The expected band size for EPS15 is at 99KD.



WB (Western Blot)

Figure 1. Western blot analysis of EPS15 using anti-EPS15 antibody (AAA124660). 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 50ug of sample under reducing conditions. Lane 1: human A375 whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human PANC-1 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-EPS15 antigen affinity purified polyclonal antibody at 0.5ug/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 1:10000 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 EPS15 at approximately 140KD. The expected band size for EPS15 is at 99KD.

ADDITIONAL INFORMATION

Related Product Information for anti-EPS15 antibody	Description: Epidermal growth factor receptor substrate 15 is a protein that in humans is encoded by the EPS15 gene. This gene encodes a protein that is part of the EGFR pathway. The protein is present at clathrin-coated pits and is involved in receptor-mediated endocytosis of EGF. Notably, this gene is rearranged with the HRX/ALL/MLL gene in acute myelogeneous leukemias. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Protein Function: Involved in cell growth regulation. May be involved in the regulation of mitogenic signals and control of cell proliferation. Involved in the internalization of ligand-inducible receptors of the receptor tyrosine kinase (RTK) type, in particular EGFR. Plays a role in the assembly of clathrin-coated pits (CCPs). Acts as a clathrin adapter required for post-Golgi trafficking. Seems to be involved in CCPs maturation including invagination or budding. Involved in endocytosis of integrin beta- 1 (ITGB1) and transferrin receptor (TFR); internalization of ITGB1 as DAB2-dependent cargo but not TFR seems to require association with DAB2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229577185
NCBI GeneID	2060
NCBI Accession #	NP_001153441.1
NCBI GenBank Nucleotide #	NM_001159969.1
UniProt Accession #	P42566; Q5SRH4; B2R8J7; D3DPJ2
Molecular Weight	64,376 Da
NCBI Official Full Name	epidermal growth factor receptor substrate 15 isoform B
NCBI Official Synonym Full Names	epidermal growth factor receptor pathway substrate 15
NCBI Official Symbol	EPS15
NCBI Official Synonym Symbols	AF1P; AF-1P; MLLT5

NCBI Protein Information	epidermal growth factor receptor substrate 15
UniProt Protein Name	Epidermal growth factor receptor substrate 15
UniProt Gene Name	EPS15
UniProt Synonym Gene Names	AF1P; Protein Eps15

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/eps15-antibody-western-blot-elisa/124660>