

Rabbit P97/DAP5/EIF4G2 Polyclonal Antibody | anti-P97/DAP5/EIF4G2 antibody

Anti-P97/DAP5/EIF4G2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127203	Rabbit	Human, Mouse, Rat, Monkey	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

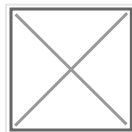
PRODUCT SYNONYMS

P97/DAP5/EIF4G2; Polyclonal Antibody; Anti-P97/DAP5/EIF4G2 Antibody Picoband; kallikrein-related peptidase 2; Kallikrein-2; Glandular kallikrein-1; hGK-1; Tissue kallikrein-2; KLK2; anti-P97/DAP5/EIF4G2 antibody

PRODUCT SPECIFICATIONS

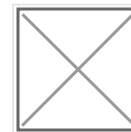
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-P97/DAP5/EIF4G2 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human P97/DAP5/EIF4G2 recombinant protein (Position: R23-Q889).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.
Preparation and Storage	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 THP-1 cells using anti-P97/DAP5/EIF4G2 antibody (AAA127203).Overlay histogram showing THP-1 cells stained with AAA127203 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-P97/DAP5/EIF4G2 Antibody (AAA127203, 1ug/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 (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 2. IF analysis of P97/DAP5/EIF4G2 using anti-P97/DAP5/EIF4G2 antibody (AAA127203).P97/DAP5/EIF4G2 was detected in an immunocytochemical section of U87 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-P97/DAP5/EIF4G2 Antibody (AAA127203) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 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 P97/DAP5/EIF4G2 using anti-P97/DAP5/EIF4G2 antibody (AAA127203). 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 MCF-7 whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: monkey COS-7 whole cell lysates, Lane 4: rat heart tissue lysates, Lane 5: mouse heart 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-P97/DAP5/EIF4G2 antigen affinity purified polyclonal antibody (#AAA127203) 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 1:5000 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 P97/DAP5/EIF4G2 at approximately 97 kDa. The expected band size for P97/DAP5/EIF4G2 is at 102 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-P97/DAP5/EIF4G2 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-P97/DAP5/EIF4G2 antibody	Primary Antibodies; Cancer; Cell Biology; Cytoskeleton/ECM; ECM Enzymes; Extracellular Matrix; Invasion/Microenvironment; Proteolysis/Ubiquitin; Proteolytic Enzymes; Signal Transduction
References	1. Imataka, H., Olsen, H. S., Sonenberg, N. A new translational regulator with homology to eukaryotic translation initiation factor 4G. EMBO J. 16: 817-825, 1997. 2. Levy-Strumpf, N., Deiss, L. P., Berissi, H., Kimchi, A. DAP-5, a novel homolog of eukaryotic translation initiation factor 4G isolated as a putative modulator of gamma interferon-induced programmed cell death. Molec. Cell. Biol. 17: 1615-1625, 1997. 3. Marash, L., Liberman, N., Henis-Korenblit, S., Sivan, G., Reem, E., Elroy-Stein, O., Kimchi, A. DAP5 promotes cap-independent translation of Bcl-2 and CDK1 to facilitate cell survival during mitosis. Molec. Cell 30: 447-459, 2008.

NCBI AND UNIPROT INFORMATION

NCBI GI #	289577114
NCBI GeneID	1982
NCBI Accession #	NP_001036024.3
NCBI GenBank Nucleotide #	NM_001042559.2
UniProt Accession #	P78344; O60877; P78404; Q0VH00; Q0VH01; Q2NKW9; Q49A79; Q53EU1; Q58EZ2; Q8NI71; Q96C16
Molecular Weight	102,362 Da
NCBI Official Full Name	eukaryotic translation initiation factor 4 gamma 2 isoform 2
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4 gamma, 2
NCBI Official Symbol	EIF4G2
NCBI Official Synonym Symbols	P97; AAG1; DAP5; NAT1
NCBI Protein Information	eukaryotic translation initiation factor 4 gamma 2; DAP-5; eIF4G 2; eIF-4G 2; eIF-4-gamma 2; aging-associated protein 1; death-associated protein 5; eukaryotic translation initiation factor 4G-like 1
UniProt Protein Name	Eukaryotic translation initiation factor 4 gamma 2
UniProt Gene Name	EIF4G2
UniProt Synonym Gene Names	DAP5; eIF-4-gamma 2; eIF-4G 2; eIF4G 2; DAP-5

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/p97-dap5-eif4g2-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127203>