

Rabbit anti-Human Exonuclease 1/EXO1 Polyclonal Antibody | anti-EXO1 antibody

Anti-Exonuclease 1/EXO1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126036	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Exonuclease 1/EXO1; Polyclonal Antibody; Anti-Exonuclease 1/EXO1 Antibody Picoband; anti-EXO1 antibody

PRODUCT SPECIFICATIONS

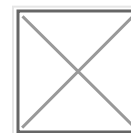
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-EXO1 antibody	ELISA, 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 Exonuclease 1/EXO1 recombinant protein (Position: Q25-Q846).
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



IF (Immunofluorescence)

Figure 2. IF analysis of Exonuclease 1/EXO1 using anti-Exonuclease 1/EXO1 antibody (AAA126036). Exonuclease 1/EXO1 was detected in an immunocytochemical section of MCF-7 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-Exonuclease 1/EXO1 Antibody (AAA126036) 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 Exonuclease 1/EXO1 using anti-Exonuclease 1/EXO1 antibody (AAA126036). 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 K562 whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human MOLT-4 whole cell 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-Exonuclease 1/EXO1 antigen affinity purified polyclonal antibody (#AAA126036) at 0.5 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 Exonuclease 1/EXO1 at approximately 120 kDa. The expected band size for Exonuclease 1/EXO1 is at 94 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-EXO1 antibody	Exonuclease 1is anenzymethat in humans is encoded by theEXO1gene. It is mapped to 1q43. This gene encodes a protein with 5' to 3' exonuclease activity as well as an RNase H activity. It is similar to the Saccharomyces cerevisiae protein Exo1 which interacts with Msh2 and which is involved in mismatch repair and recombination. Alternative splicing of this gene results in three transcript variants encoding two different isoforms.
Product Categories/Family for anti-EXO1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	284055276
NCBI GeneID	9156
NCBI Accession #	NP_003677.4
NCBI GenBank Nucleotide #	NM_003686.4
UniProt Accession #	Q9UQ84; O60545; O75214; O75466; Q5T396; Q96IJ1; Q9UG38; Q9UNW0
Molecular Weight	94,103 Da
NCBI Official Full Name	exonuclease 1 isoform a
NCBI Official Synonym Full Names	exonuclease 1
NCBI Official Symbol	EXO1
NCBI Official Synonym Symbols	HEX1; hExoI
NCBI Protein Information	exonuclease 1; hExo1; rad2 nuclease family member, homolog of S. cerevisiae exonuclease 1
UniProt Protein Name	Exonuclease 1
UniProt Gene Name	EXO1
UniProt Synonym Gene Names	EXO1; HEX1; hExo1; hExoI
UniProt Entry Name	EXO1_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.