

Rabbit anti-Human, Rat NUP58 Polyclonal Antibody | anti-NUP58 antibody

Anti-NUP58 Antibody Picoband

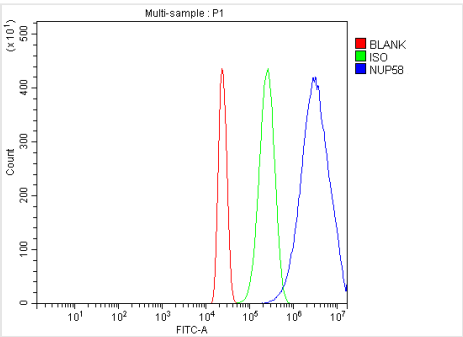
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126562	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

NUP58; Polyclonal Antibody; Anti-NUP58 Antibody Picoband; anti-NUP58 antibody

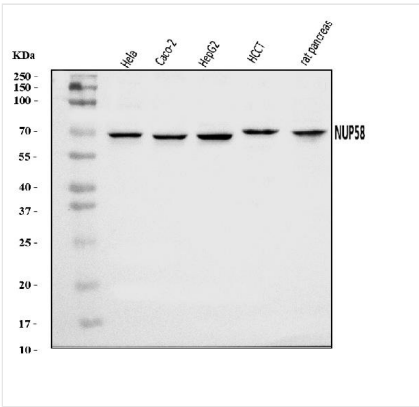
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, 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-NUP58 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human NUP58 recombinant protein (Position: R235-E438).
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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HL-60 cells using anti-NUP58 antibody (AAA126562).Overlay histogram showing HL-60 cells stained with AAA126562 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NUP58 Antibody (AAA126562, 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.



WB (Western Blot)

Figure 1. Western blot analysis of NUP58 using anti-NUP58 antibody (AAA126562).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 HeLa whole cell lysates,Lane 2: human Caco-2 whole cell lysates,Lane 3: human HepG2 whole cell lysates,Lane 4: human HCT tissue lysates,Lane 5: rat pancreas 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-NUP58 antigen affinity purified polyclonal antibody (#AAA126562) 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 NUP58 at approximately 69 kDa. The expected band size for NUP58 is at 61 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NUP58 antibody	This gene encodes a member of the nucleoporin family that shares 87% sequence identity with rat nucleoporin p58. The protein is localized to the nuclear rim and is a component of the nuclear pore complex (NPC). All molecules entering or leaving the nucleus either diffuse through or are actively transported by the NPC. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Product Categories/Family for anti-NUP58 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	56788377
NCBI GeneID	9818
NCBI Accession #	NP_001008564.1
NCBI GenBank Nucleotide #	NM_001008564.1
UniProt Accession #	Q9BVL2; O43160; Q5JRG2; Q5JRG5; A6NI12; B4DZJ1
Molecular Weight	60,897 Da
NCBI Official Full Name	nucleoporin p58/p45 isoform b
NCBI Official Synonym Full Names	nucleoporin like 1
NCBI Official Symbol	NUPL1
NCBI Official Synonym Symbols	PRO2463
NCBI Protein Information	nucleoporin p58/p45; nucleoporin-like protein 1
UniProt Protein Name	Nucleoporin p58/p45

UniProt Gene Name	NUPL1
UniProt Synonym Gene Names	KIAA0410
UniProt Entry Name	NUPL1_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://www.aaabiotech.com/polyclonal/nup58-antibody-flow-cytometry-western-blot-elisa/126562>