

Rabbit anti-Human HSPA6 Polyclonal Antibody | anti-HSPA6 antibody

Anti-HSPA6 Antibody Picoband

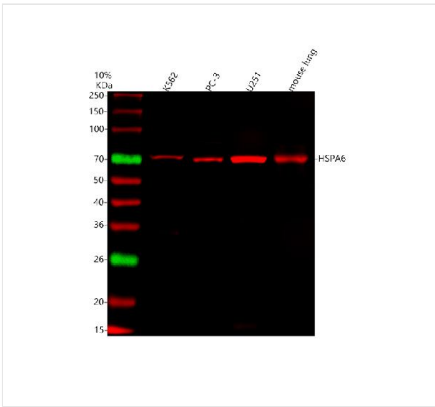
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127295	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

HSPA6; Polyclonal Antibody; Anti-HSPA6 Antibody Picoband; anti-HSPA6 antibody

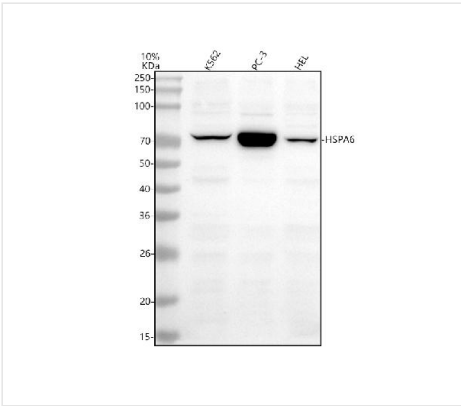
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
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-HSPA6 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HSPA6, which shares 81.2% amino acid (aa) sequence identity with mouse and rat HSPA6.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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.



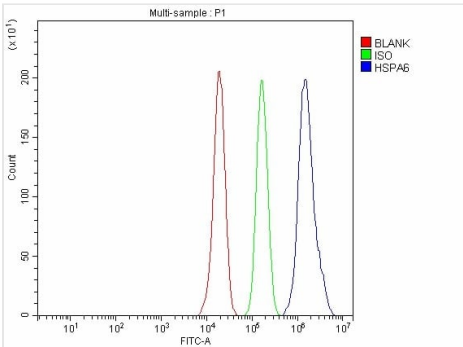
WB (Western Blot)

Figure 3. Western blot analysis of HSPA6 using anti-HSPA6 antibody (AAA127295).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 PC-3 whole cell lysates,Lane 3: human U251 whole cell lysates,Lane 4: mouse lung 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-HSPA6 antigen affinity purified polyclonal antibody (AAA127295) 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-DyLight 647 Conjugated secondary antibody at a dilution of 1:2000 for 1.5 hour at RT. A specific band was detected for HSPA6 at approximately 71 kDa. The expected band size for HSPA6 is at 71 kDa.



WB (Western Blot)

Figure 1. Western blot analysis of HSPA6 using anti-HSPA6 antibody (AAA127295).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 PC-3 whole cell lysates,Lane 3: human HEL 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-HSPA6 antigen affinity purified polyclonal antibody (#AAA127295) 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 HSPA6 at approximately 71 kDa. The expected band size for HSPA6 is at 71 kDa.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of PC-3 cells using anti-HSPA6 antibody (AAA127295).Overlay histogram showing PC-3 cells stained with AAA127295 (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-HSPA6 Antibody (AAA127295, 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.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA6 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-HSPA6 antibody	Primary Antibodies
References	1. Brzustowicz, L. M., Hayter, J. E., Hodgkinson, K. A., Chow, E. W. C., Bassett, A. S. Fine mapping of the schizophrenia susceptibility locus on chromosome 1q22. Hum. Hered. 54: 199-209, 2002. 2. Grosz, M. D., Womack, J. E., Skow, L. C. Syntenic conservation of HSP70 genes in cattle and humans. Genomics 14: 863-868, 1992. 3. Leung, T. K. C., Hall, C., Rajendran, M., Spurr, N. K., Lim, L. The human heat-shock genes HSPA6 and HSPA7 are both expressed and localize to chromosome 1. Genomics 12: 74-79, 1992.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34978357
NCBI GeneID	3310
UniProt Accession #	P17066; Q1HBA8; Q8IYK7; Q9BT95
Molecular Weight	643
NCBI Official Full Name	Heat shock 70 kDa protein 6
NCBI Official Synonym Full Names	heat shock 70kDa protein 6 (HSP70B')
NCBI Official Symbol	HSPA6
NCBI Protein Information	heat shock 70 kDa protein 6; heat shock 70 kDa protein B'; heat shock 70kD protein 6 (HSP70B')
UniProt Protein Name	Heat shock 70 kDa protein 6
UniProt Gene Name	HSPA6
UniProt Synonym Gene Names	HSP70B'
UniProt Entry Name	HSP76_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/hspa6-antibody-flow-cytometry-western-blot-elisa/127295>