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

Anti-HSPA6 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256287	**Rabbit**	**Human**	**Immunofluorescence, Immunocytochemistry, Western Blot**

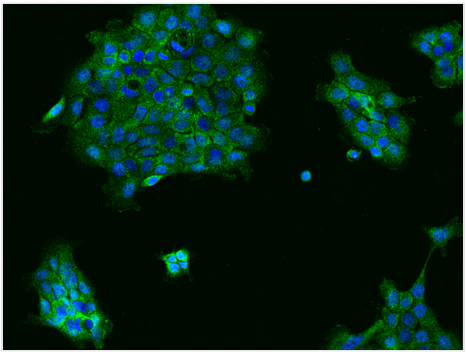
PRODUCT SYNONYMS

HSPA6; Polyclonal Antibody; Anti-HSPA6 Antibody; Rabbit Polyclonal; HSPA6 Antibody; Rabbit PAb; Antigen Affinity Purified; heat shock protein family A (Hsp70) member 6; anti-HSPA6 antibody

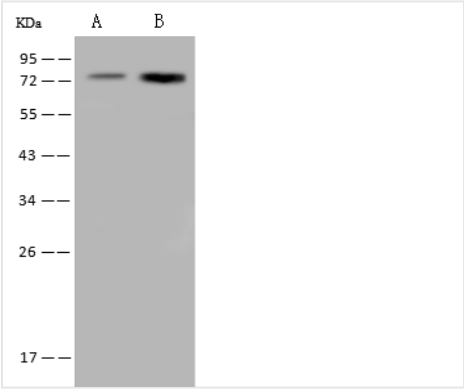
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HSPA6
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-HSPA6 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human HSPA6 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human HSPA6 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of HSPA6 in A431 cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human HSPA6 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cytoplasm.



WB (Western Blot)
Anti-HSPA6 rabbit polyclonal antibody at 1:500 dilutionLane A: U-251 MG Whole Cell LysateLane B: H1299 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:71 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA6 antibody	HSPA6 is a member of the human heat-shock protein gene family, encoding a basic 70-kDa protein, with unique induction characteristics. Hybridization analyses with a somatic cell hybrid DNA panel localized the gene to chromosome 1q. The HSPA6, one of the members of the large family of HSP70, is significantly up-regulated and has been targeted as a biomarker of cellular stress in several studies. HSPA6 is a cigarette smoke-induced UC-susceptibility gene. The HSPA6 risk locus is associated with decreased HSPA6 expression. HSPA6 provides epithelial protection by stabilizing anti-apoptotic Bcl-XL, thereby contributing to the beneficial effect of cigarette smoking in UC. Heat shock 70 kDa protein 6 (HSPA6) was identified as an SM-induced and TRPA1-mediated protein.
References	Regeling A, et al. (2016) Hspa6 is an ulcerative colitis susceptibility factor that is induced by cigarette smoke and protects intestinal epithelial cells by stabilizing anti-apoptotic bcl-xl. Biochim Biophys Acta 1862 (4): 788-796.Malik A, et al. (2016) Optimization of expression and purification of hspa6 protein from camelus dromedarius in E Coli. Saudi J Biol Sci 23 (3): 410-419.Leung TK, et al. (1992) The human heat-shock genes hspa6 and hspa7 are both expressed and localize to chromosome 1. Genomics 12 (1): 74-79.

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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