

Rabbit HSPA1A/HSPA1B Polyclonal Antibody | anti-HSPA1A/HSPA1B antibody

HSPA1A/HSPA1B Antibody (Y41)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290925	Rabbit	Human Predicted: Bovine, Mouse, Rat, Pig, Monkey, Chicken, Xenopus, Yeast, C.Elegans, Hamster, Zebrafish, Horse, Drosophila	ELISA, Western Blot

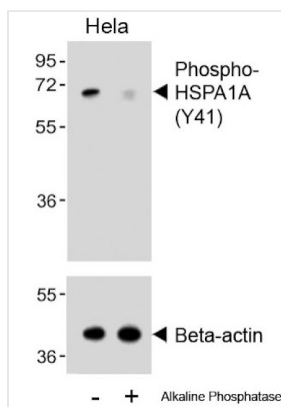
PRODUCT SYNONYMS

HSPA1A/HSPA1B; Polyclonal Antibody; HSPA1A/HSPA1B Antibody (Y41); Heat shock 70 kDa protein 1A/1B; Heat shock 70 kDa protein 1/2; HSP70-1/HSP70-2; HSP70.1/HSP70.2; HSPA1A; HSPA1; HSX70; anti-HSPA1A/HSPA1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted: Bovine, Mouse, Rat, Pig, Monkey, Chicken, Xenopus, Yeast, C.Elegans, Hamster, Zebrafish, Horse, Drosophila
Clonality	Polyclonal
Isotype	Ig
Specificity	This HSPA1A/HSPA1B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from the human region of human HSPA1A/HSPA1B.
Purity/Purification	Purified through a protein A column, followed by peptide affinity purification.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	641
Applicable Applications for anti-HSPA1A/HSPA1B antibody	ELISA, WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Dilution: WB - 1:500 Western blot analysis of lysates from HeLa cell line, untreated or treated with Alkaline phosphatase, 1 hours, (upper) or Beta-actin (lower).

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA1A/HSPA1B antibody	In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In case of rotavirus A infection, serves as a post-attachment receptor for the virus to facilitate entry into the cell.
Product Categories/Family for anti-HSPA1A/HSPA1B antibody	Signal Transduction
References	Milner C.M.,et al.Immunogenetics 32:242-251(1990). Hunt C.,et al.Proc. Natl. Acad. Sci. U.S.A. 82:6455-6459(1985). Xie T.,et al.Genome Res. 13:2621-2636(2003). Shiina S.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248072
NCBI GeneID	3303
NCBI Accession #	NP_005336.3
NCBI GenBank Nucleotide #	NM_005345.5
UniProt Accession #	P08107; Q53FA3; Q27975; P0DMV8; Q61696; P0DMW0; Q27965; P0DMV9; P17879; Q6S4N2; P0DMW1; P0CB32; P34931; Q4R888; P16627; A5A8V7; P55063; P08106; P02827; P34933; P54652; P17156; P14659; P09435; P22202; P17066; Q04967; P48741; P09446; P19120; O73885; P19378; Q90473
NCBI Official Full Name	heat shock 70 kDa protein 1A
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 1A
NCBI Official Symbol	HSPA1A
NCBI Official Synonym Symbols	HSP72; HSPA1; HSP70I; HSP70-1; HSP70-2; HSP70.1; HSP70.2; HSP70-1A; HEL-S-103
NCBI Protein Information	heat shock 70 kDa protein 1A
UniProt Protein Name	Heat shock 70 kDa protein 1A/1B
UniProt Gene Name	HSPA1A
UniProt Synonym Gene Names	HSPA1; HSP70-1/HSP70-2
UniProt Entry Name	HSP71_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.