

Rabbit HSP70 Polyclonal Antibody | anti-HSP70 antibody

HSP70 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28405	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

HSP70; Polyclonal Antibody; HSP70 Rabbit pAb; HEL-S-103; HSP70-1; HSP70-1A; HSP70.1; HSP70I; HSP72; HSPA1; anti-HSP70 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.
Sequence	RALFPGDSEI DQLFRIFRTL GTPDEVVWPG VTSMPTYKPS FPKWARQDFS KVVPLDEDG RSLLSQMLHY DPNKRISAKA ALAHPFFQDV TKPVPHLRL
Applicable Applications for anti-HSP70 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:50-1:200
Positive Samples	293T, HeLa, A-549, NIH/3T3, C6, Mouse brain, Mouse lung, Rat heart, Rat liver
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 500-600 of human HSP70 (NP_005336.3).
Cellular Location	blood microparticle, centriole, centrosome, cytoplasm, cytosol, endoplasmic reticulum, extracellular exosome, extracellular region, focal adhesion, mitochondrion, nuclear speck, nucleoplasm, nucleus, perinuclear region of cytoplasm, plasma membrane
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using HSP70 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using HSP70 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

Immunofluorescence analysis of NIH/3T3 cells using HSP70 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

Immunofluorescence analysis of HeLa cells using HSP70 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

Immunofluorescence analysis of A-549 cells using HSP70 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human esophageal cancer using HSP70 Rabbit pAb at dilution of 1:150 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

ADDITIONAL INFORMATION

Related Product Information for anti-HSP70 antibody	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-HSP70 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	16936528
NCBI GeneID	1017
NCBI Accession #	NP_001789.2
NCBI GenBank Nucleotide #	NM_001798.3
UniProt Accession #	P24941 ; O75100 ; A8K7C6
Molecular Weight	33,930 Da
NCBI Official Full Name	cyclin-dependent kinase 2 isoform 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 2
NCBI Official Symbol	CDK2
NCBI Official Synonym Symbols	p33(CDK2)
NCBI Protein Information	cyclin-dependent kinase 2; p33 protein kinase; cell division kinase 2; cdc2-related protein kinase; cell division protein kinase 2
UniProt Protein Name	Cyclin-dependent kinase 2
UniProt Gene Name	CDK2
UniProt Synonym Gene Names	CDKN2
UniProt Entry Name	CDK2_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.

