Rabbit HSP105 Polyclonal Antibody | anti-HSP105 antibody

Phospho-HSP105 (Ser809) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329940	**Rabbit**	**Human, Mouse, RatPredicted Reactivity: Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (88%)**	**ELISA, Western Blot**

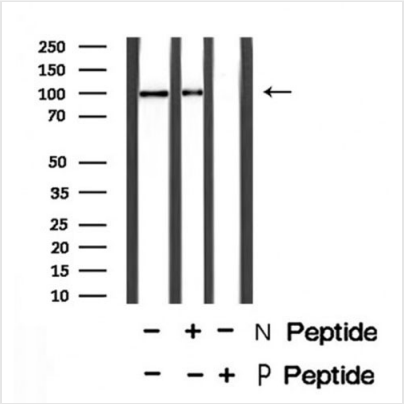
PRODUCT SYNONYMS

HSP105; Polyclonal Antibody; Phospho-HSP105 (Ser809) Antibody; Antigen NY CO 25; Antigen NY-CO-25; DKFZp686M05240; Heat shock 105kD alpha; Heat shock 105kD; Heat shock 105kD beta; Heat shock 105kDa protein 1; Heat shock 105kDa protein; Heat shock 105kDa/110kDa protein 1; Heat shock 110kDa protein; Heat shock protein 105kDa; HS105_HUMAN; HSP105A; HSP105B; HSP110; HSpH1; Hsph1; KIAA0201; NY CO 25; anti-HSP105 antibody

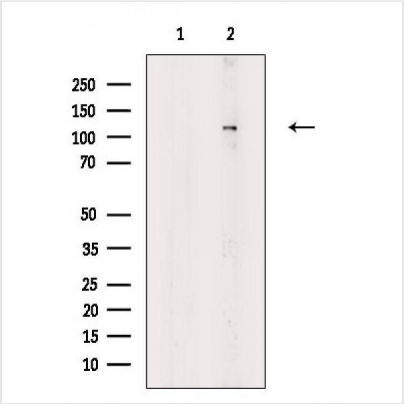
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (88%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-HSP105 (Ser809) Antibody detects endogenous levels of HSP105 only when phosphorylated at Ser809. Tissue Specificity: Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum. Overexpressed in cancer cells.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HSP105 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HSP105 around the phosphorylation site of Ser809.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylation on Ser-509 may be important for regulation of the HSPA8/HSC70 chaperone activity.
Subunit Structure	Interacts with HSPA8/HSC70 (By similarity). Interacts with HSPA1A (via NBD) and HSPA1B (via NBD).
Similarity	Belongs to the heat shock protein 70 family.
Subcellular Location	Cytoplasm.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of HSP105 (Phospho-Ser809) using 293 whole cell lysates.-/+ means absence or presence of N peptideï¼ˆnon-phospho peptide) and P peptide(phospho peptide).



WB (Western Blot)
Western blot analysis of extracts from RAW264.7 cells(lps 4h treatment), using Phospho-HSP105 (Ser809) Antibody. The lane on the left was treated with blocking peptide.Observed bands: 120kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HSP105 antibody	Acts as a nucleotide-exchange factor (NEF) for chaperone proteins HSPA1A and HSPA1B, promoting the release of ADP from HSPA1A/B thereby triggering client/substrate protein release. Prevents the aggregation of denatured proteins in cells under severe stress, on which the ATP levels decrease markedly. Inhibits HSPA8/HSC70 ATPase and chaperone activities (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	42544159
NCBI GeneID	10808
NCBI Accession #	NP_006635.2
NCBI GenBank Nucleotide #	NM_006644.2
UniProt Accession #	Q92598; O95739; Q5TBM6; Q5TBM7; Q5TBM8; Q9UPC4
Molecular Weight	96,865 Da
NCBI Official Full Name	heat shock protein 105 kDa
NCBI Official Synonym Full Names	heat shock 105kDa/110kDa protein 1
NCBI Official Symbol	HSPH1
NCBI Official Synonym Symbols	HSP105; HSP105A; HSP105B; NY-CO-25
NCBI Protein Information	heat shock protein 105 kDa; antigen NY-CO-25; heat shock 105kD beta; heat shock 105kD alpha; heat shock 110 kDa protein; heat shock 105kDa protein 1
UniProt Protein Name	Heat shock protein 105 kDa
UniProt Gene Name	**HSPH1**
UniProt Synonym Gene Names	HSP105; HSP110; KIAA0201
UniProt Entry Name	HS105_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://stage.aaabiotech.com/polyclonal/hsp105-antibody-peptide-elisa-western-blot-elisa/329940