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HSC 70 Polyclonal Antibody

Glycerol. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000.IHC-p:1:50-300 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms HSPA8; HSC70; HSP73; HSPA10; Heat shock cognate 71 kDa protein; Heat shock 70 kDa protein 8 Observed Band 70-72kD Cell Pathway Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates		
Reactivity Human;Mouse;Rat Applications WB;IHC;IF Gene Name HSPA8 Protein Name Heat shock cognate 71 kDa protein Immunogen Synthesized peptide derived from the Internal region of human HSC 70. AA range: 588-638 Specificity The antibody detects endogenous HSC 70 protein. Formulation PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000.IHC-p:1:50-300. IF 1:50-200 Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year Synonyms HSPA8, HSC70; HSP73; HSPA10; Heat shock cognate 71 kDa protein; Heat shock 70 kDa protein 8 Observed Band 70-72kD Cell Pathway Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoii, upon heat shock. Tissue Specificity Ubiquitous. Function function: Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones, induction:Constitutively synthesized, PTM:Phosphorylated upon DNA damage, probably by ATM or ATR, syinjlarity. Belongs to the heat shock protein 70 family, subcellular location:Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoi, upon heat shock. Identified by mass spectrometry in elanosome fractions from stage I to stage IV, subunit.Interacts with HSPH1/HSP105.	Catalog No	YP-Ab-16281
Applications WB;HC;IF Gene Name HSPA8 Protein Name Heat shock cognate 71 kDa protein Immunogen Synthesized peptide derived from the Internal region of human HSC 70. AA range: 588-638 Specificity The antibody detects endogenous HSC 70 protein. Formulation PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000.IHC-p:1:50-300. IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms HSPA8; HSC70; HSP73; HSPA10; Heat shock cognate 71 kDa protein; Heat shock 70 kDa protein 8 Observed Band 70-72kD Cell Pathway Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Tissue Specificity Ubiquitous. Function function: Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones, induction: Constitutively synthesized. PTM: Phosphorylated upon DNA damage, probably by ATM or ATR. similarity. Belongs to the heat shock protein 70 family, subcellular location: Translocates rapidly from the cytoplasm to the nuclei, and especially to the nuclei, upon heat shock. Internation of the School protein for 10 miles as spectometry in melanosome fractions from stage I to stage IV, subunit-Interacts with HSCRG and TSC2.	Isotype	IgG
Gene Name HSPA8 Protein Name Heat shock cognate 71 kDa protein Immunogen Synthesized peptide derived from the Internal region of human HSC 70. AA range: 588-638 Specificity The antibody detects endogenous HSC 70 protein. Formulation PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000.IHC-p:1:50-300 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms HSPA8; HSC70; HSP73; HSPA10; Heat shock cognate 71 kDa protein; Heat shock 70 kDa protein 8 Observed Band 70-72kD Cell Pathway Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nucleoii, upon heat shock. Function function: Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones, induction: Constitutively synthesized. PTM: Phosphorylated upon DNA damage, probably by ATM or ATR. similarity: Belongs to the heat shock protein 70 family, subcellular location: Translocate	Reactivity	Human;Mouse;Rat
Protein Name Heat shock cognate 71 kDa protein Immunogen Synthesized peptide derived from the Internal region of human HSC 70. AA range: 588-638 Specificity The antibody detects endogenous HSC 70 protein. Formulation PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000.IHC-p:1:50-300 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms HSPA8; HSC70; HSP73; HSPA10; Heat shock cognate 71 kDa protein; Heat shock 70 kDa protein 8 Observed Band 70-72kD Cell Pathway Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Under the nuclei and especially to the nucleoli of HSC70 by competing the co-chaperones. Induction:Constitutively synthesized. PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., smillantly Belongs to the heat shock protein 70 family, subcellular location: Translocates rapidly from the cytoplasm to the nuclei, and especially to the nuclei, and especially to the nucleoli, upon heat shock. Identified by	Applications	WB;IHC;IF
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range: 588-638 Specificity The antibody detects endogenous HSC 70 protein. Formulation PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000.IHC-p:1:50-300 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms HSPA8; HSC70; HSP73; HSPA10; Heat shock cognate 71 kDa protein; Heat shock 70 kDa protein 8 Observed Band 70-72kD Cell Pathway Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Tissue Specificity Ubiquitous. Function function:Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones. induction:Constitutively synthesizedPTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity. Belongs to the heat shock protein 70 family, subcellular location:Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Identified by mass spectrometry in melanosome fractions from stage I to stage IV., subunit. Interacts with HSPH/HSP105. Interacts with HSPACR and TSC2.	Protein Name	Heat shock cognate 71 kDa protein
Formulation PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000.IHC-p:1:50-300 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms HSPA8; HSC70; HSP73; HSPA10; Heat shock cognate 71 kDa protein; Heat shock 70 kDa protein 8 Observed Band 70-72kD Cell Pathway Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Tissue Specificity Ubiquitous. Function function:Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones. induction:Constitutively synthesized. PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity:Belongs to the heat shock protein 70 family., subcellular location:Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Identified by mass spectrometry in melanosome fractions from stage I to stage IV., subunit:Interacts with HSPH1/HSP105. Interacts with HSPH1/HSP105.	Immunogen	
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Shock 70 kDa protein 8 Observed Band 70-72kD Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Tissue Specificity Ubiquitous. Function function:Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones.,induction:Constitutively synthesized.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the heat shock protein 70 family.,subcellular location:Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Interacts with HSPH1/HSP105. Interacts with IRAK1BP1 (By similarity). Interacts with PACRG and TSC2.	Storage Stability	-20°C/1 year
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	Function	regulator of HSC70 by competing the co-chaperones.,induction:Constitutively synthesized.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the heat shock protein 70 family.,subcellular location:Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Interacts with HSPH1/HSP105. Interacts with IRAK1BP1 (By similarity). Interacts with PACRG and TSC2.



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Background

This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011],

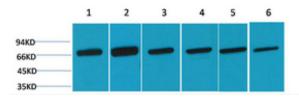
matters needing attention

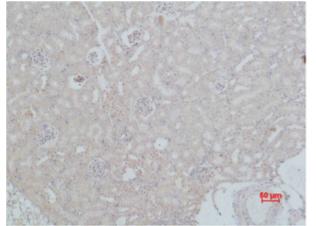
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images





Western blot analysis of 1) Hela, 2) HepG2, 3) Raw, 4) Mouse Brain, 5) Rat Brain, 6) Rat Liver using HSC 70 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Immunohistochemical analysis of paraffin-embedded Mouse Kidney Tissue using HSC 70 Polyclonal Antibody.