



HSC 70 Polyclonal Antibody

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| Catalog No | YP-Ab-16281 |
| Isotype | IgG |
| 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 | ≥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 IRAK1BP1 (By similarity). Interacts with PACRG and TSC2. Interacts with SV40 VP1.,tissue specificity:Ubiquitous., |



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],

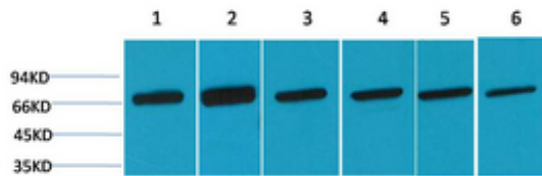
matters needing attention

Avoid repeated freezing and thawing!

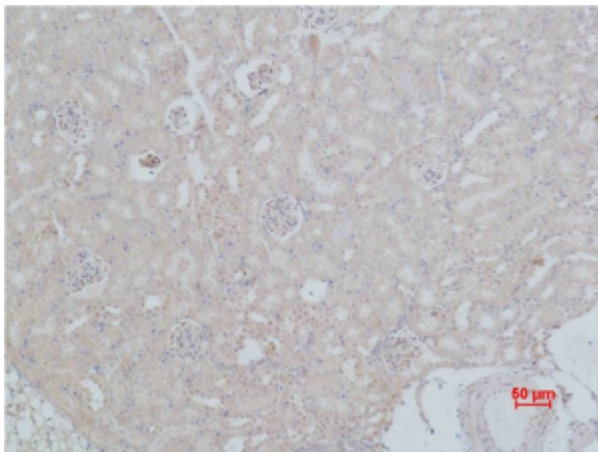
Usage suggestions

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.