



HSC 70 Monoclonal Antibody

Catalog No	YP-mAb-16291
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HSPA8
Immunogen	The antiserum was produced against synthesized peptide derived from human HSC 70. AA range:202-251
Specificity	HSC 70 Monoclonal Antibody detects endogenous levels of HSC 70 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	2418N15Rik;Constitutive heat shock protein 7;Epididymis luminal protein 33; Epididymis secretory sperm binding protein Li 72p;Heat shock 7 kDa protein 8; Heat shock 7kD protein 1;Heat shock 7kD protein 8;Heat shock 7kDa protein 8; Heat shock cognate 71 kDa protein;Heat shock cognate protein 54;Heat shock cognate protein 71 kDa;Heat shock protein 8;Heat shock protein A8;Heat-shock7-KD protein 1;formerly;HEL 33;HEL S 72p;HSC54;HSC71;Hsc73;HSP71; HSP73;HSP7C_HUMAN;HSPA1;HSPA8;LAP1;Lipopolysaccharide associated protein 1;LPS associated protein 1;LPS associated protein;MGC127;MGC16514; MGC114311;MGC118485;MGC131511;MGC29929;N-myristoyltransferase inhibitor protein 71;NIP71;HSC 70;HSC70;HSPA10;Heat shock 70 kDa protein 8
Observed Band	70kD
Calculated Molecular Weight	70kD
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],

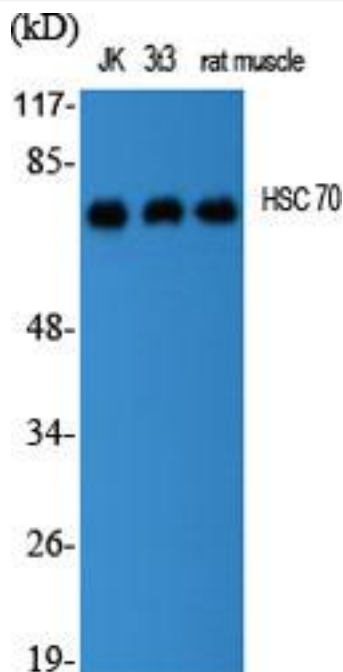
matters needing attention

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 various cells using HSC 70 Monoclonal Antibody