

Anti-Hsc70 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

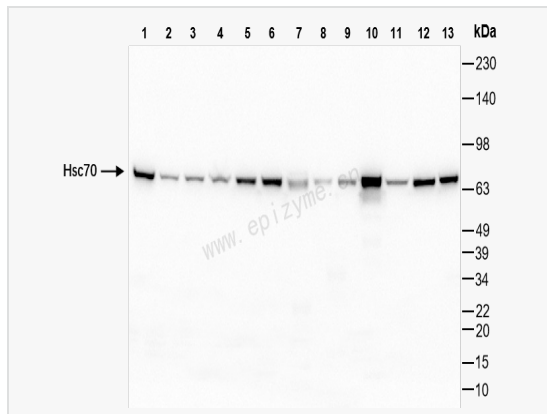
Catalog # R011946

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	23K09K52
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Hsc70
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Hsc70 Rabbit mAb [23K09K52] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	2410008N15Rik; Constitutive heat shock protein 70; Epididymis luminal protein 33; Epididymis secretory sperm binding protein Li 72p; Heat shock 70 kDa protein 8; Heat shock 70kD protein 10; Heat shock 70kD protein 8; Heat shock 70kDa 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 shock protein family A (Hsp70) member 8; Heat-shock70-KD protein 10, formerly; HEL 33; HEL S 72p; HSC54; HSC71; Hsc73; HSP71; HSP73; HSP7C_HUMAN; HSPA10; HSPA8; LAP1; Lipopolysaccharide associated protein 1; LPS associated protein 1; LPS associated protein; MGC102007; MGC106514; MGC114311; MGC118485; MGC131511; MGC29929; N-myristoyltransferase inhibitor protein 71; NIP71; HSC70.
Calculated MW	Calculated MW: 71 kDa; Observed MW: 71 kDa
Uniprot ID	P11142
Gene ID	3312
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]
Cellular Location	Cytoplasm, Melanosome. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. 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.



Western Blot - Anti-Hsc70 Rabbit mAb [23K09K52]

All lanes: R011946 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Huh1 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 6: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

Lane 7: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 8: Mouse heart whole tissue lysates

Lane 9: Mouse liver whole tissue lysates

Lane 10: Mouse brain whole tissue lysates

Lane 11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 12: Rat muscle whole tissue lysates

Lane 13: Rat brain whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 71 kDa

Observed band size: 71 kDa

Developed using the ECL technique (Cat. No. SQ201).