

Product Name: HSC 70 Rabbit Polyclonal Antibody
Catalog #: APRab12216



Summary

Production Name	HSC 70 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HSPA8
Alternative Names	HSPA8; HSC70; HSP73; HSPA10; Heat shock cognate 71 kDa protein; Heat shock 70 kDa protein 8
Gene ID	3312.0
SwissProt ID	P11142.The antiserum was produced against synthesized peptide derived from human HSC 70. AA range:202-251

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	70kD

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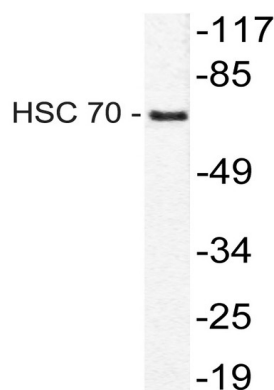
Background

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],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.,

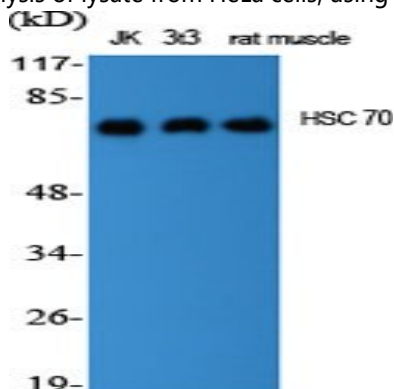
Research Area

Spliceosome;MAPK_ERK_Growth;MAPK_G_Protein;Endocytosis;Antigen processing and presentation;

Image Data

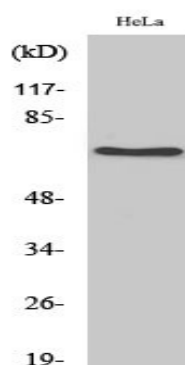


Western blot analysis of lysate from HeLa cells, using HSC 70 antibody.



Western Blot analysis of various cells using HSC 70 Polyclonal Antibody diluted at 1: 2000

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Western Blot analysis of HepG2 cells using HSC 70 Polyclonal Antibody diluted at 1: 2000

Note

For research use only.