HSC70 Monoclonal Antibody

E20-53597

Catalog Number:E20-53597

Product name:HSC70 Monoclonal Antibody

Amount:100ul

Applications:WB,IHC-p

Reactivity:,Human,Rat,Mouse

Gene Name:HSPA8

Protein Name: Heat shock cognate 71 kDa protein (Heat shock 70 kDa protein 8)

Human Gene Id:3312

Human Swiss Prot No:P11142

Mouse Swiss Prot No:P63017

Rat Swiss Prot No:P63018

Immunogen: Synthesized peptide derived from the Internal region of human HSC 70.

Specificity: The antibody detects endogenous HSC70 protein

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Mouse

Dilution: Western Blot: 1/500 - 1/2000.IHC-p:1:50-300. Not yet tested in other applications.

Purification: The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration:1 mg/ml

Storage Stability:-20°C/1 year

Other Names: Heat shock cognate 71 kDa protein (Heat shock 70 kDa protein 8)

Observed Band(KD):70

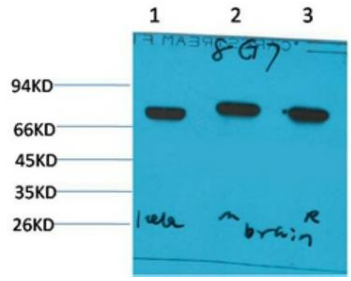
Background:heat shock protein family A (Hsp70) member 8(HSPA8) Homo sapiens This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate 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].

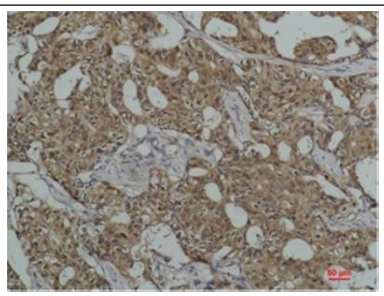
Function:function:Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones.,induction:Constitutively synthesized.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the heat shock protein 70 family.,subcellular location:Translocates 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.

Subcellular Location:ubiquitin ligase complex,Prp19 complex,extracellular space, intracellular, nucleus, nucleoplasm, spliceosomal complex,nucleolus,lysosomal membrane,late endosome,cytosol,plasma membrane.

Expression: Bone marrow,Brain,Cajal-Retzius cell,Cerebellum.



Western blot analysis of 1)Hela, 2)Mouse Brain Tissue, 3) Rat Brain Tissue with HSC70 Mouse mAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using HSC70 Mouse mAb diluted at 1:200.