

STCH Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant STCH.

Catalog # AT4073a

Product Information

Application	WB, IF, E
Primary Accession	P48723
Other Accession	NM_006948
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1H8
Calculated MW	51927

Additional Information

Gene ID	6782
Other Names	Heat shock 70 kDa protein 13, Microsomal stress-70 protein ATPase core, Stress-70 protein chaperone microsome-associated 60 kDa protein, HSPA13, STCH
Target/Specificity	STCH (NP_008879.3, 375 a.a. ~ 470 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	STCH Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

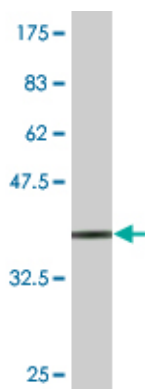
The protein encoded by this gene is a member of the heat shock protein 70 family and is found associated with microsomes. Members of this protein family play a role in the processing of cytosolic and secretory proteins, as well as in the removal of denatured or incorrectly-folded proteins. The encoded protein contains an ATPase domain and has been shown to associate with a ubiquitin-like protein.

References

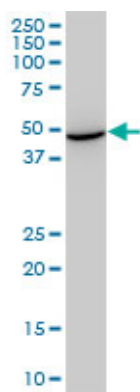
Chemical manipulation of hsp70 ATPase activity regulates tau stability. Jinwal UK, et al. J Neurosci, 2009 Sep

30. PMID 19793966. New sequence variants associated with bone mineral density. Styrkarsdottir U, et al. Nat Genet, 2009 Jan. PMID 19079262. Stomach cancer-derived del223V-226L mutation of the STCH gene causes loss of sensitization to TRAIL-mediated apoptosis. Yamagata N, et al. Biochem Biophys Res Commun, 2008 Nov 21. PMID 18793616. A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. Lim J, et al. Cell, 2006 May 19. PMID 16713569. Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.

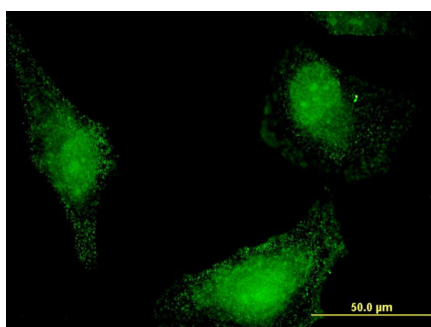
Images



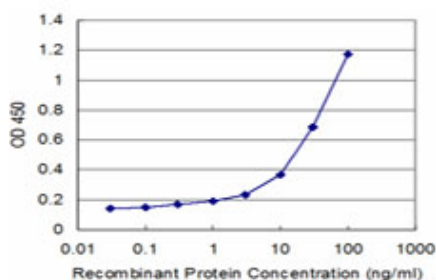
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.3 KDa) .



STCH monoclonal antibody (M02), clone 1H8. Western Blot analysis of STCH expression in NIH/3T3 (Cat # AT4073a)



Immunofluorescence of monoclonal antibody to HSPA13 on HeLa cell . [antibody concentration 10 μg/ml]



Detection limit for recombinant GST tagged STCH is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.