STIP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STIP1, Polyclonal Antibody
Full Product Name	STIP1 (C-Term) Rabbit pAb
Product Gene Name	anti-STIP1 antibody
Product Synonym Names	Stress-induced-phosphoprotein 1; STI1; Hsc70/Hsp90-organizing protein; Hop; Renal carcinoma antigen NY-REN-11; Transformation-sensitive protein IEF SSP 3521; STIP1
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB17354
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Purity/Purification	Affinity Purified
OMIM	605063
3D Structure	ModBase 3D Structure for P31948
Immunogen	This STIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 461-488 amino acids from the C-terminal region of human STIP1.
Cellular Localization	Cytoplasm, Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-STIP1 antibody	Western Blot (WB), Flow Cytometry (FC/FACS)
Application Notes for anti-STIP1 antibody	WB: 1:1000 FC/FACS: 1:10-50
Related Product Information for anti-STIP1 antibody	MBS8553889 is an antibody targeting STIP1. Also known as STIP1 (C-Term) Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-STIP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STIP1. It may not necessarily be applicable to this product.

NCBI GI #	5803181
NCBI GeneID	10963
NCBI Accession #	NP_006810.1
UniProt Primary Accession #	P31948

UniProt Related Accession #	P31948
GenBank Nucleotide #	NP_006810.1
NCBI Official Full Name	stress-induced-phosphoprotein 1 isoform b
NCBI Official Synonym Full Names	stress induced phosphoprotein 1
NCBI Official Symbol	STIP1
NCBI Official Synonym Symbols	HOP; P60; STI1; STI1L; HEL-S-94n; IEF-SSP-3521
UniProt Protein Name	Stress-induced-phosphoprotein 1
UniProt Synonym Protein Names	Hsc70/Hsp90-organizing protein; Hop; Renal carcinoma antigen NY-REN-11; Transformation-sensitive protein IEF SSP 3521
Protein Family	STIP1 homology and U box-containing protein
UniProt Gene Name	STIP1
UniProt Synonym Gene Names	STI1; Hop
UniProt Entry Name	STIP1_HUMAN
NCBI Protein Information	stress-induced-phosphoprotein 1
NCBI Summary for STIP1	STIP1 is an adaptor protein that coordinates the functions of HSP70 (see HSPA1A; MIM 140550) and HSP90 (see HSP90AA1; MIM 140571) in protein folding. It is thought to assist in the transfer of proteins from HSP70 to HSP90 by binding both HSP90 and substrate-bound HSP70. STIP1 also stimulates the ATPase activity of HSP70 and inhibits the ATPase activity of HSP90, suggesting that it regulates both the conformations and ATPase cycles of these chaperones (Song and Masison, 2005 [PubMed 16100115]).[supplied by OMIM, Jul 2009]
UniProt Comments for STIP1	STI1: a protein that is apparently involved in the response to stress. Specifically interacts with the C-terminal tails of Hsp70 and Hsp90 via TPR1 and TPR2A domains. Deletion of STI1 reduces the activity of the glucocorticoid receptor, a Hsp90 target protein. Phosphorylated in vitro by p90RSK and casein kinase II. Protein type: Chaperone Chromosomal Location of Human Ortholog: 11q13 Cellular Component: Golgi apparatus; nucleus Molecular Function: protein binding Biological Process: response to stress
Research Articles on STIP1	**1.** Hop stabilises emerin and that loss of Hop alters nuclear structure via emerin degradation.
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