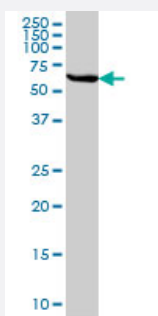


STIP1 monoclonal antibody (M01), clone 4B6

Catalog # H00010963-M01

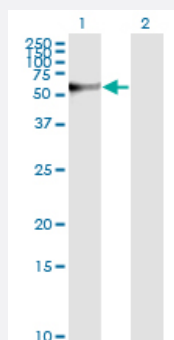
Size 100 ug

Applications



Western Blot (Cell lysate)

STIP1 monoclonal antibody (M01), clone 4B6 Western Blot analysis of STIP1 expression in HeLa (Cat # L013V1).

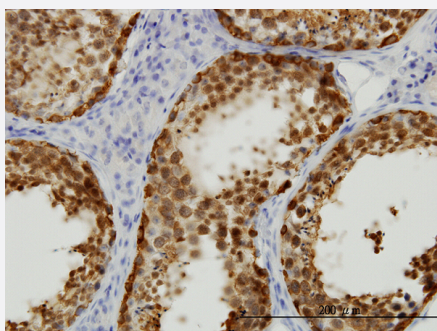


Western Blot (Transfected lysate)

Western Blot analysis of STIP1 expression in transfected 293T cell line by STIP1 monoclonal antibody (M01), clone 4B6.

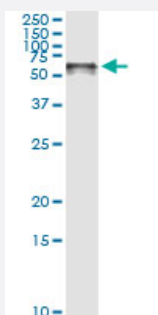
Lane 1: STIP1 transfected lysate(62.6 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to STIP1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 0.3 ug/ml]

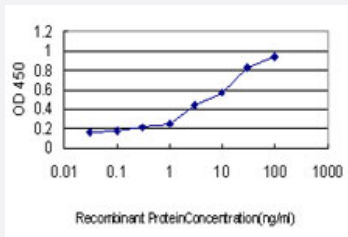


Immunoprecipitation

Immunoprecipitation of STIP1 transfected lysate using anti-STIP1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with STIP1 MaxPab rabbit polyclonal antibody.

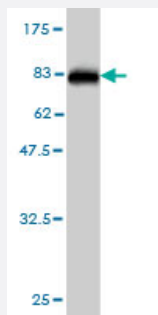
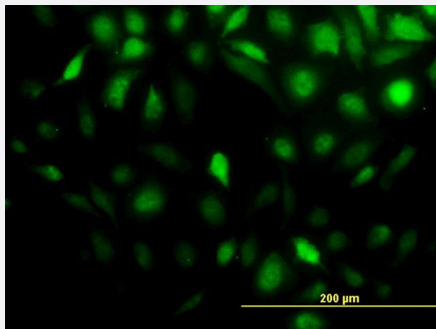
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STIP1 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to STIP1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (85.25 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant STIP1.

Immunogen

STIP1 (AAH02987.1, 1 a.a. ~ 543 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MEQVNELKEKGNKALSVGNIDDALQCYSEAIKLDPHNHVLYSNRSAAYAKKGDYQKAYEDGCKT
VDLKPDPWGKGYSRKAALFLNRFEEAKRTYEEGLKHEANNPQLKEGLQNMEARLAERKFMNP
FNMPNLYQKLESDPRTRTLLSDPTYRELIEQLRNKPSDLGTLQDPRIMTTLVLLGVDLGSMDEE
EEIATPPPPPPKKETKPEPMEEDLPENKKQALKEKELGNDAYKKKDFDTALKHYDKAKELDPT
NMTYTINQAAYFEKGDYNKCRELCEKAIEVGRENREDYRQIAKAYARIGNSYFKEEKYKDAIHFN
KSLAEHRTPDVLKKCQQAELKEQERLAYINPDALEEKNKGNECFQKGDYPQAMKHYTEAIKR
NPKDAKLYSNRAACYTKLLEFQLALKDCEECIQLEPTFIKGYTRKAAALEAMKDYTKAMDVYQKAL
DLDSCKEAADGYQRCMMAQYNRHDSPEDVKRRAMADPEVQQIMSDPAMRLILEQMOKDPQA
LSEHLKNPVIAQKIQLMDVGLAIR

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (85.25 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

STIP1 monoclonal antibody (M01), clone 4B6 Western Blot analysis of STIP1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of STIP1 expression in transfected 293T cell line by STIP1 monoclonal antibody (M01), clone 4B6.

Lane 1: STIP1 transfected lysate(62.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to STIP1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 0.3 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of STIP1 transfected lysate using anti-STIP1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with STIP1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STIP1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to STIP1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — STIP1

Entrez GeneID [10963](#)

GeneBank Accession# [BC002987](#)

Protein Accession# [AAH02987.1](#)

Gene Name STIP1

Gene Alias HOP, IEF-SSP-3521, P60, STI1, STI1L

Gene Description stress-induced-phosphoprotein 1

Omim ID [605063](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 Ma sison, 2005 [PubMed 16100115]).[supplied by OMIM]

Other Designations Hsp70/Hsp90-organizing protein|stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)

Publication Reference

- [Stress-induced phosphoprotein 1 as a secreted biomarker for human ovarian cancer promotes cancer cell proliferation.](#)

Wang TH, Chao A, Tsai CL, Chang CL, Chen SH, Lee YS, Chen JK, Lin YJ, Chang PY, Wang CJ, Chao AS, Chang SD, Chang TC, Lai CH, Wang HS.

Molecular & Cellular Proteomics 2010 Sep; 9(9):1873.

Application: IHC, Human, Ovary

- [Proteomic analysis of protein complexes in human SH-SY5Y neuroblastoma cells by using blue-native gel electrophoresis: An increase in lamin A/C associated with heat shock protein 90 in response to 6-hydroxydopamine-induced oxidative stress.](#)

Nakamura M, Morisawa H, Imajoh-Ohmi S, Takamura C, Fukuda H, Toda T.

Experimental Gerontology 2009 Jun; 44(6-7):375.

Application: WB, Human, SH-SY5Y cells

- [Novel Breast Cancer Metastasis-Associated Proteins.](#)

Ho J, Kong JW, Choong LY, Loh MC, Toy W, Chong PK, Wong CH, Wong CY, Shah N, Lim YP.

Journal of Proteome Research 2008 Dec; 8(2):583.

Application: WB, Mouse, Mouse 67NR, 168FARN, 4T07, 4T1 cells

Pathway

- [Prion diseases](#)

Disease

- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian cancer](#)