

## Datasheet

### STIP1 monoclonal antibody (M35), clone 2E11

**Catalog Number:** H00010963-M35

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full-length recombinant STIP1.

**Clone Name:** 2E11

**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:**

MEQVNELKEKGNKALSVGNIDDALQCYSEAIKLDPHN  
HVLYSNRSAAYAKKGDYQKAYEDGCKTVDLKPDWVGK  
GYSRKAALAEFLNRFEAKRTYEEGLKHEANNPQLKE  
GLQNMEARLAERKFMNPFNMPNLYQKLESDPRTRTLL  
SDPTYRELIEQLRNKPSDLGTLKQDPRIMTTLSVLLGV  
DLGSMDEEEIATPPPPPPPKKPKETKPEPMEEDLPENK  
KQALKEKELGNDAYKKKDFDTALKHYDKAKELDPTNM  
TYITNQAAYFEKGDYKCRELCEKAIEVGRENREDY  
RQIAKAYARIGNSYFKEEKYKDAIHFNKSLAEHRTPD  
VLKCKQQAQEKILKEQERLAYINPDALAEKNGNECFQ  
KGDYPQAMKHYTEAIKRNPKDAKLYSNRAACYTKLLE  
FQLALKDCEECIQLEPTFIKGYTRKAAALEAMKDYTKA  
MDVYQKALDLSSCKEADGYQRCMMAQYNRHDSP  
EDVKRRAMADPEVQQIMSDPAMRLILEQMOKDPQALS  
EHLKNPVIAQKIQKLMVGLIAIR

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, Flow Cyt, IF, IHC-P, S-ELISA, WB-Ce, WB-Re, WB-Ti, WB-Tr  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG1 Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 10963

**Gene Symbol:** STIP1

**Gene Alias:** HOP, IEF-SSP-3521, P60, ST11, ST11L

**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 Masison, 2005 [PubMed 16100115]).[supplied by OMIM]

**References:**

1. Immunohistological analysis of stress-induced phosphoprotein 1 in ovarian cancer patients with low serum cancer antigen 125 levels. Chao A, Lee LY, Hsueh C, Lin CY, Tsai CL, Chao AS, Lin CT, Chou HH, Chang TC, Wang TH Taiwan J Obstet Gynecol. 2013 Jun;52(2):185-91. doi: 10.1016/j.tjog.2013.04.006.
2. Tumor Stress-Induced Phosphoprotein1 (STIP1) as a Prognostic Biomarker in Ovarian Cancer. Chao A, Lai CH, Tsai CL, Hsueh S, Hsueh C, Lin CY, Chou HH, Lin YJ, Chen HW, Chang TC, Wang TH PLoS One. 2013;8(2):e57084. doi: 10.1371/journal.pone.0057084. Epub 2013 Feb 27.
3. 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. Mol Cell Proteomics. 2010 May 25. [Epub ahead of print]