

Anti-STIP1 Picoband Antibody

Catalog # ABO12582

Product Information

Application	WB
Primary Accession	P31948
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Stress-induced-phosphoprotein 1(STIP1) detection. Tested with WB in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	10963
Other Names	Stress-induced-phosphoprotein 1, STI1, Hsc70/Hsp90-organizing protein, Hop, Renal carcinoma antigen NY-REN-11, Transformation-sensitive protein IEF SSP 3521, STIP1
Calculated MW	62639
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat
Subcellular Localization	Cytoplasm . Nucleus .
Source	Eukaryota
Protein Name	Stress-induced-phosphoprotein 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human STIP1 (505-543aa RLILEQMQKDPQALSEHLKNPVIAQKIQKLMDVGLIAIR), identical to the related mouse and rat sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time. Avoid repeated freezing and thawing.

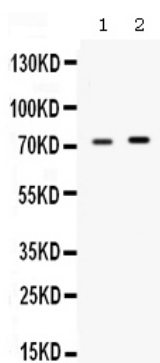
Protein Information

Name	STIP1 (HGNC:11387)
Function	Acts as a co-chaperone for HSP90AA1 (PubMed: 27353360). Mediates the association of the molecular chaperones HSPA8/HSC70 and HSP90 (By similarity).
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q60864}. Nucleus {ECO:0000250 UniProtKB:Q60864}. Dynein axonemal particle {ECO:0000250 UniProtKB:Q7ZWU1}

Background

STIP1 is an adaptor protein that coordinates the functions of HSP70 and HSP90 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. The International Radiation Hybrid Mapping Consortium mapped the STIP1 gene to 11q13.

Images



Western blot analysis of STIP1 expression in rat testis extract (lane 1) and MCF-7 whole cell lysates (lane 2). STIP1 at 73KD was detected using rabbit anti- STIP1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12582) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

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