

**Anti-STIP1 Picoband Antibody**  
Catalog # ABO12582**Specification****Anti-STIP1 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P31948</a>
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.

**Anti-STIP1 Picoband Antibody - 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 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Rat<br>

**Subcellular Localization**

Cytoplasm . Nucleus .

**Protein Name**

Stress-induced-phosphoprotein 1

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human STIP1 (505-543aa RLILEQM~~Q~~KDPQALSEHLK~~N~~PVIAQKIQK~~L~~MDVGLIAIR), 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.

## Anti-STIP1 Picoband Antibody - Protein Information

Name STIP1 ([HGNC:11387](#))

### Function

Acts as a co-chaperone for HSP90AA1 (PubMed: [27353360](http://www.uniprot.org/citations/27353360)). Mediates the association of the molecular chaperones HSPA8/HSC70 and HSP90 (By similarity).

### Cellular Location

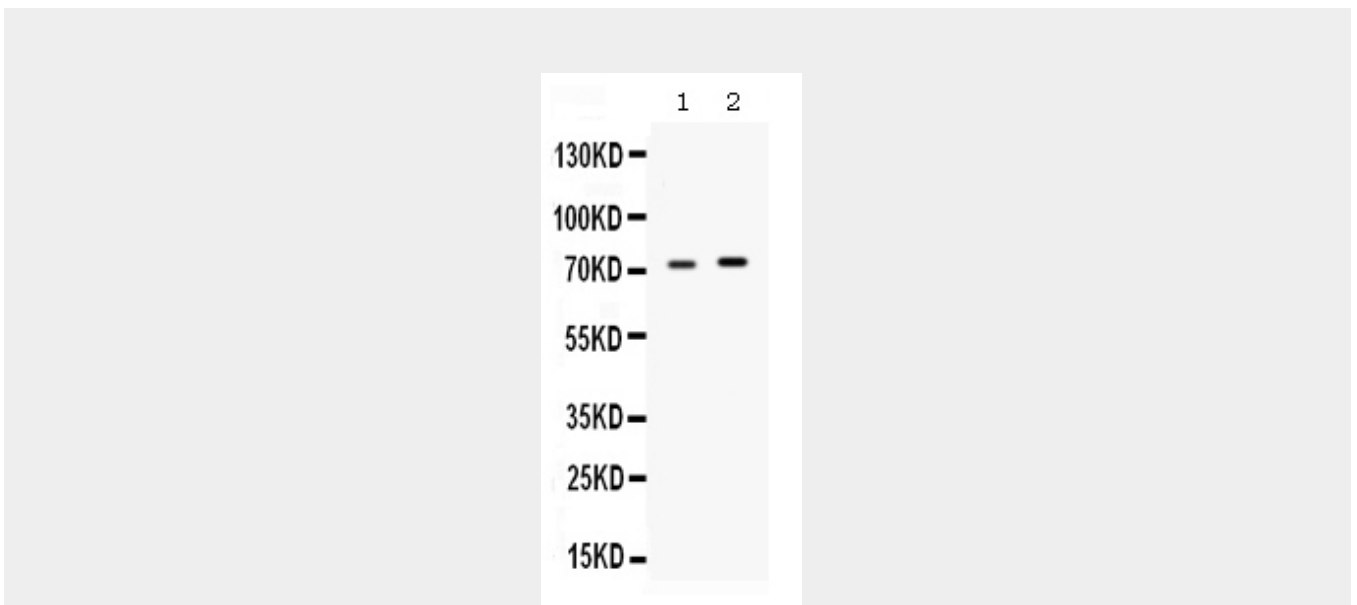
Cytoplasm {ECO:0000250|UniProtKB:Q60864}. Nucleus {ECO:0000250|UniProtKB:Q60864}. Dynein axonemal particle {ECO:0000250|UniProtKB:Q7ZWU1}

## Anti-STIP1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-STIP1 Picoband Antibody - 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 .

#### **Anti-STIP1 Picoband Antibody - 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.