


## Product datasheet

# Anti-STIP1/STI1 antibody [EPR6606] - BSA and Azide free ab248167

KO VALIDATED Recombinant RabMAB

5 Images

### Overview

<b>Product name</b>	Anti-STIP1/STI1 antibody [EPR6606] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR6606] to STIP1/STI1 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, IHC-P, WB <b>Unsuitable for:</b> Flow Cyt or ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HAP1, A431, HEK293, BxPC-3, Jurkat, HeLa, and HepG2 cell lysates. IHC-P: Human ovarian carcinoma tissue.
<b>General notes</b>	<p>ab248167 is the carrier-free version of <a href="#">ab126753</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p>

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6606
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab248167 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

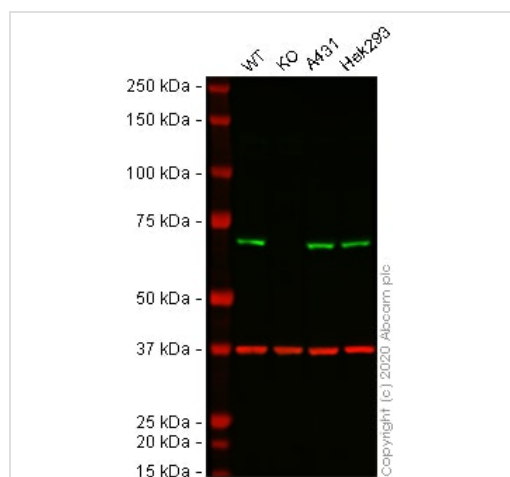
Application	Abreviews	Notes
<b>IP</b>		Use at an assay dependent concentration.
<b>IHC-P</b>		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For antigen retrieval, heat up to 98°C, below boiling, and then let cool for 10-20 minutes.
<b>WB</b>		Use at an assay dependent concentration. Detects a band of approximately 63 kDa (predicted molecular weight: 63 kDa).

**Application notes** Is unsuitable for Flow Cyt or ICC/IF.

## Target

<b>Function</b>	Mediates the association of the molecular chaperones HSC70 and HSP90 (HSPCA and HSPCB).
<b>Sequence similarities</b>	Contains 2 ST11 domains. Contains 9 TPR repeats.
<b>Domain</b>	The TPR 1 repeat interacts with the C-terminal of HSC70. The TPR 4, 5 and 6 repeats (also called TPR2A domain) and TPR 7, 8 and 9 repeats (also called TPR2B domain) interact with HSP90.
<b>Cellular localization</b>	Cytoplasm. Nucleus.

## Images



Western blot - Anti-STIP1/STI1 antibody [EPR6606]  
- BSA and Azide free (ab248167)

**All lanes** : Anti-STIP1/STI1 antibody [EPR6606] (**ab126753**) at 1/1000 dilution

**Lane 1** : Wild-type HAP1 cell lysate

**Lane 2** : STIP1 knockout HAP1 cell lysate

**Lane 3** : A431 cell lysate

**Lane 4** : HEK-293 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

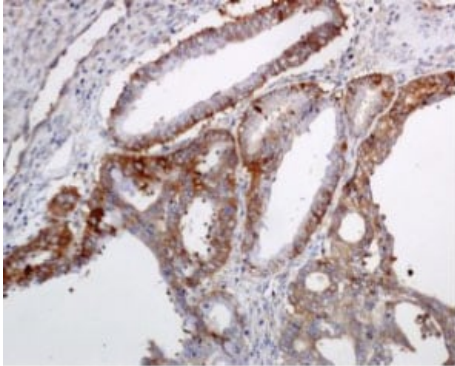
**Predicted band size:** 63 kDa

**Observed band size:** 63 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab126753**).

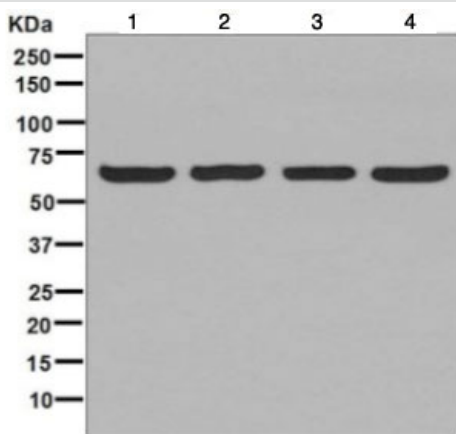
**Lanes 1 - 4:** Merged signal (red and green). Green - **ab126753** observed at 63 kDa. Red - loading control **ab8245** (Mouse anti-GAPDH antibody [6C5]) observed at 37kDa.

**ab126753** was shown to react with STIP1/STI1 in wild-type HAP1 cells in western blot with loss of signal observed in STIP1 knockout sample. Wild-type and STIP1 knockout HAP1 cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with **ab126753** and **ab8245** (Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at a 1 in 1000 Dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STIP1/STI1 antibody [EPR6606] - BSA and Azide free (ab248167)

This data was developed using **ab126753**, the same antibody clone in a different buffer formulation. **ab126753**, at 1/50 dilution, staining STIP1/STI1 in paraffin-embedded Human ovarian carcinoma tissue by Immunohistochemistry. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-STIP1/STI1 antibody [EPR6606] - BSA and Azide free (ab248167)

**All lanes** : Anti-STIP1/STI1 antibody [EPR6606] (**ab126753**) at 1/1000 dilution

**Lane 1** : Jurkat cell lysate

**Lane 2** : HeLa cell lysate

**Lane 3** : BxPC-3 cell lysate

**Lane 4** : HepG2 cell lysate

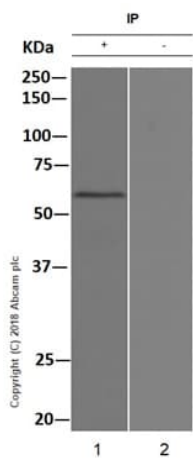
Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : HRP-conjugated goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 63 kDa

This data was developed using **ab126753**, the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-STIP1/STI1 antibody [EPR6606] - BSA and Azide free (ab248167)

This data was developed using **ab126753**, the same antibody clone in a different buffer formulation.

**ab126753** immunoprecipitating STIP1/STI1 in Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate at a dilution of 1/30.

**Blocking and dilution buffer:** 5% NFDN/TBST.

**All lanes :** Anti-STIP1/STI1 antibody [EPR6606] (**ab126753**) at 1/1000 dilution

**Lane 1 :** IP using **ab126753** in Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

**Lane 2 :** Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

#### Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution

**Observed band size:** 63 kDa

**Exposure time:** 2 minutes

#### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-STIP1/STI1 antibody [EPR6606] - BSA and Azide free (ab248167)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors