

## Product datasheet

# Anti-STIP1/STI1 antibody [EPR6605] - BSA and Azide free ab238963

Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-STIP1/STI1 antibody [EPR6605] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR6605] to STIP1/STI1 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human STIP1/STI1 aa 50-150. The exact sequence is proprietary.
<b>Positive control</b>	WB: Jurkat, HeLa, BxPC3, HepG2, and SK OV 3 cell lysates, human, mouse and rat brain lysate. IHC-P: Human ovarian carcinoma, testis, thyroid cancer tissue. Flow Cyt: HeLa cells.
<b>General notes</b>	ab238963 is the carrier-free version of <a href="#">ab126724</a> This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Ab238963 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

*Maxpar® is a trademark of Fluidigm Canada Inc.*

This product was previously labelled as STIP1

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

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

**We are constantly working hard to ensure we provide our customers with best in class**

antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6605
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab238963** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

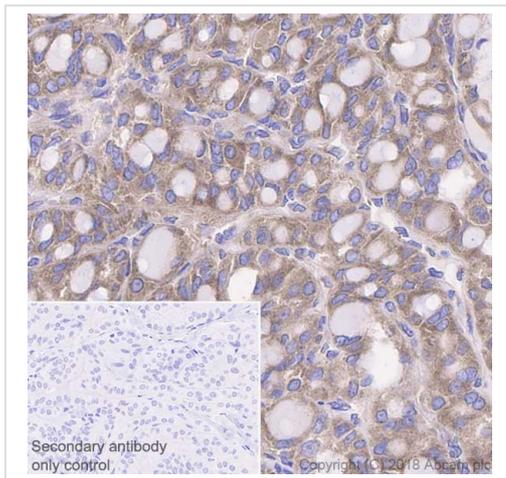
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 63 kDa (predicted molecular weight: 63 kDa).
Flow Cyt		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <a href="#">IHC antigen retrieval protocols</a> .

## Target

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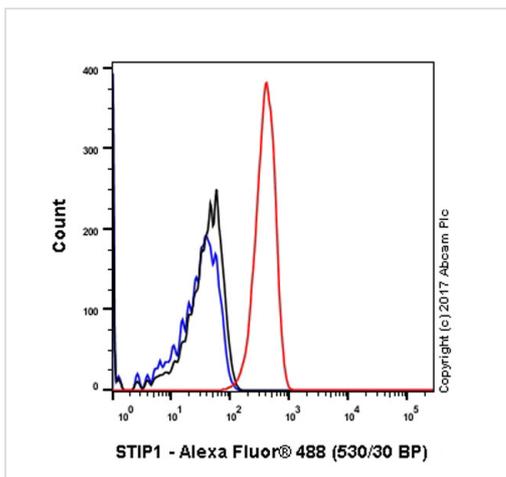
<b>Function</b>	Mediates the association of the molecular chaperones HSC70 and HSP90 (HSPCA and HSPCB).
<b>Sequence similarities</b>	Contains 2 ST1 domains. Contains 9 TPR repeats.
<b>Domain</b>	The TPR 1 repeat interacts with the C-terminal of HSC70. The TPR 4, 5 and 6 repeats (also called TPR2A domain) and TPR 7, 8 and 9 repeats (also called TPR2B domain) interact with HSP90.
<b>Cellular localization</b>	Cytoplasm. Nucleus.

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STIP1/STI1 antibody [EPR6605] - BSA and Azide free (ab238963)

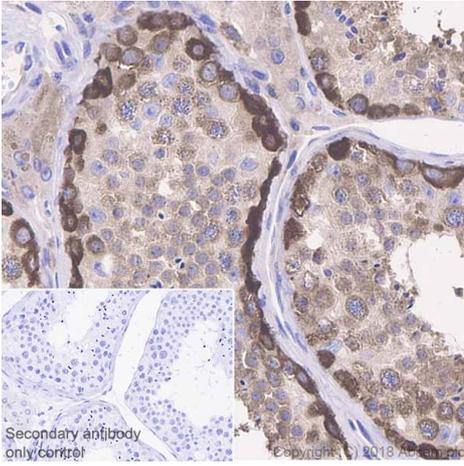
This image was made using [ab126724](#) which is the same antibody as ab238963 with BSA and Azide  
 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human thyroid cancer tissue sections labeling STIP1/STI1 with Purified [ab126724](#) at 1:1000 dilution (0.18 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Flow Cytometry - Anti-STIP1/STI1 antibody [EPR6605] - BSA and Azide free (ab238963)

Flow cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling STIP1/STI1 (red) with [ab126724](#) at a 1/200 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG ([ab172730](#)). Blue (unlabeled control) - Cells without incubation with primary and secondary antibodies.

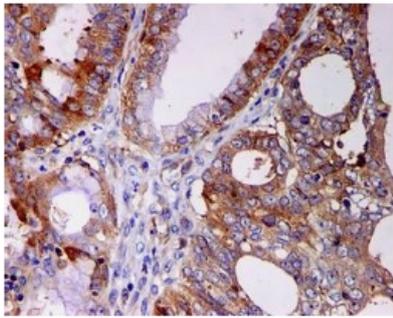
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab126724](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STIP1/STI1 antibody [EPR6605] - BSA and Azide free (ab238963)

This image was made using [ab126724](#) which is the same antibody as ab238963 with BSA and Azide

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human testis tissue sections labeling STIP1/STI1 with Purified [ab126724](#) at 1:1000 dilution (0.18 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STIP1/STI1 antibody [EPR6605] - BSA and Azide free (ab238963)

Unpurified [ab126724](#), at a dilution of 1/250, staining STIP1/STI1 in paraffin-embedded human ovarian carcinoma tissue by Immunohistochemistry.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, tissue culture supernatant and sodium azide ([ab126724](#)).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

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

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