

Product datasheet

Anti-SGTB/SGT2 antibody [EPR17183] ab202419

Recombinant RabMAb

[2 References](#) [10 Images](#)

Overview

Product name	Anti-SGTB/SGT2 antibody [EPR17183]
Description	Rabbit monoclonal [EPR17183] to SGTB/SGT2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF, IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HepG2, PC-12 and NIH/3T3 cell lysates; Human fetal brain, mouse brain and rat brain lysates. IHC-P: Human, mouse and rat cerebral cortex tissues. ICC/IF: SH-SY5Y and U-87 MG cells. IP: Mouse brain whole cell lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17183

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab202419 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		1/2000. Detects a band of approximately 37 kDa (predicted molecular weight: 33 kDa).
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/100.
IP		1/40.

Target

Function

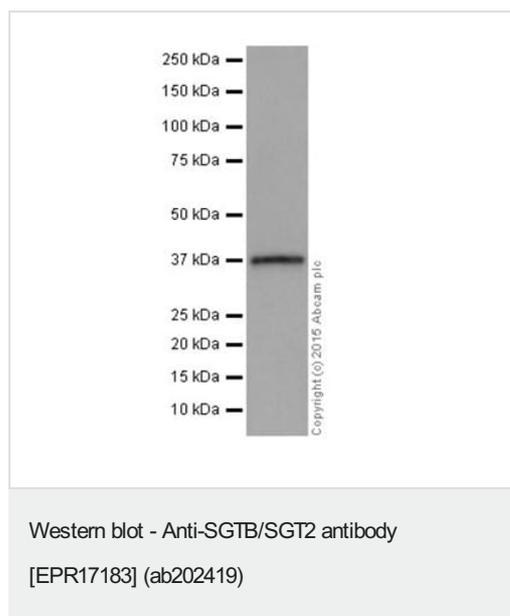
Co-chaperone that binds directly to HSC70 and HSP70 and regulates their ATPase activity.

Sequence similarities

Belongs to the SGT family.

Contains 4 TPR repeats.

Images



Anti-SGTB/SGT2 antibody [EPR17183] (ab202419) at 1/2000 dilution + HepG2 (Human liver hepatocellular carcinoma) cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 33 kDa

Observed band size: 37 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

The expression profile observed is consistent with what has been

described in the literature PMID: 12878599.

Anti-SGTB/SGT2 antibody [EPR17183] (ab202419) at 1/2000 dilution + Human fetal brain lysate at 10 μ g

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

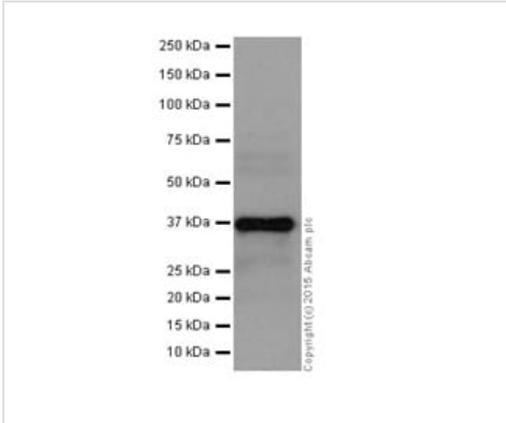
Predicted band size: 33 kDa

Observed band size: 37 kDa

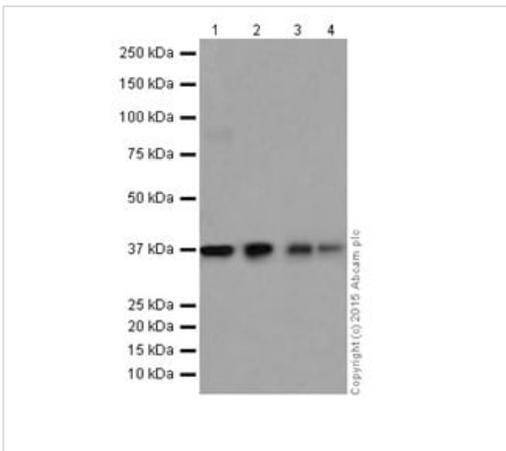
Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFD/MTBST.

The expression profile observed is consistent with what has been described in the literature PMID: 12878599.



Western blot - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)



Western blot - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

All lanes : Anti-SGTB/SGT2 antibody [EPR17183] (ab202419) at 1/2000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Rat brain lysate

Lane 3 : PC-12 (Rat adrenal gland pheochromocytoma) cell lysate

Lane 4 : NIH/3T3 (Mouse embryo fibroblast cells) cell lysate

Lysates/proteins at 10 μ g per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

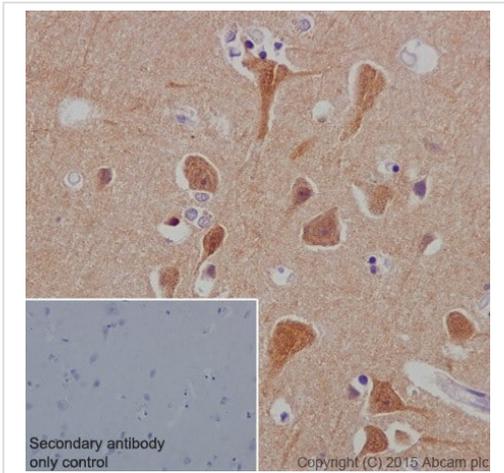
Predicted band size: 33 kDa

Observed band size: 37 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFD/MTBST.

The expression profile observed is consistent with what has been described in the literature PMID: 12878599.

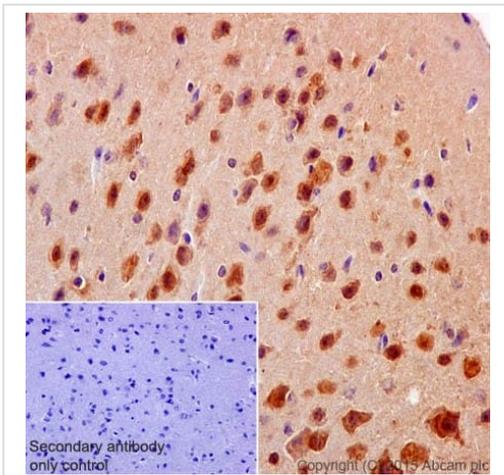


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunohistochemical analysis of paraffin-embedded Human cerebral cortex tissue labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasmic and nuclear staining on Human cerebral cortex tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

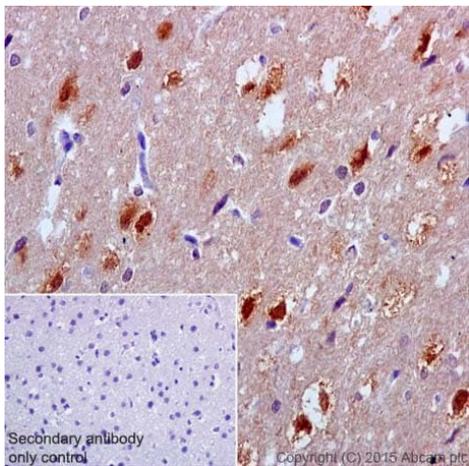


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex tissue labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasmic and nuclear staining on mouse cerebral cortex tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

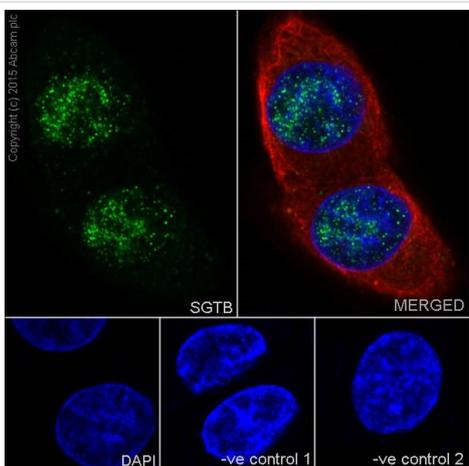


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex tissue labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Cytoplasmic and nuclear staining on rat cerebral cortex tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



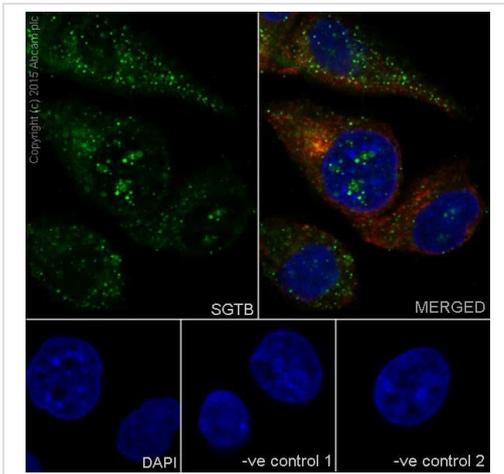
Immunocytochemistry/ Immunofluorescence - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized SH-SY5Y (Human neuroblastoma from bone marrow cells) cells labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/500 dilution (green). Confocal image showing nuclear and weakly cytoplasmic staining on SH-SY5Y cell line. The nuclear counter stain is DAPI (blue). Tubulin is detected with [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000 dilution and [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

-ve control 1: ab202419 at 1/100 dilution followed by [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2: [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000 dilution followed by [ab150077](#) (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



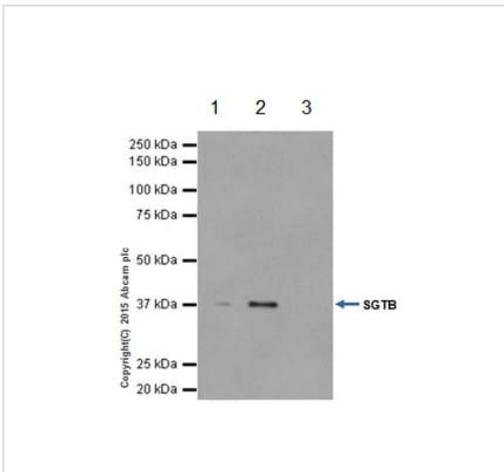
Immunocytochemistry/ Immunofluorescence - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cells labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 dilution (green). Confocal image showing nuclear and cytoplasmic staining on U-87 MG cell line. The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

-ve control 1: ab202419 at 1/100 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



Immunoprecipitation - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

SGTB/SGT2 was immunoprecipitated from 1mg of Mouse brain whole cell lysate with ab202419 at 1/40 dilution. Western blot was performed from the immunoprecipitate using ab202419 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: Mouse brain whole cell lysate 10 µg (Input). Lane 2: ab202419 IP in Mouse brain whole cell lysate. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab202419 in Mouse brain whole cell lysate.

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

Exposure time: 1 second.

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-SGTB/SGT2 antibody [EPR17183] (ab202419)

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