

Product datasheet

Anti-TSG6 antibody [EPR17582-45] ab267469

Recombinant RabMAb

[2 References](#) [5 Images](#)

Overview

Product name	Anti-TSG6 antibody [EPR17582-45]
Description	Rabbit monoclonal [EPR17582-45] to TSG6
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IP Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: THP-1 (treated with 100ng/mg LPS for 3 hours, then treated with BFA for 2 hours,) whole cell lysate; Rat amniotic membrane tissue lysate. Flow Cyt (intra): THP-1 (treated with 100ng/ml lipopolysaccharide (LPS) for 1h, then add BFA for 4h) cells. IP: THP-1 (treated with 100ng/mg LPS for 3 hours, then treated with BFA for 2 hours) 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: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR17582-45
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab267469 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

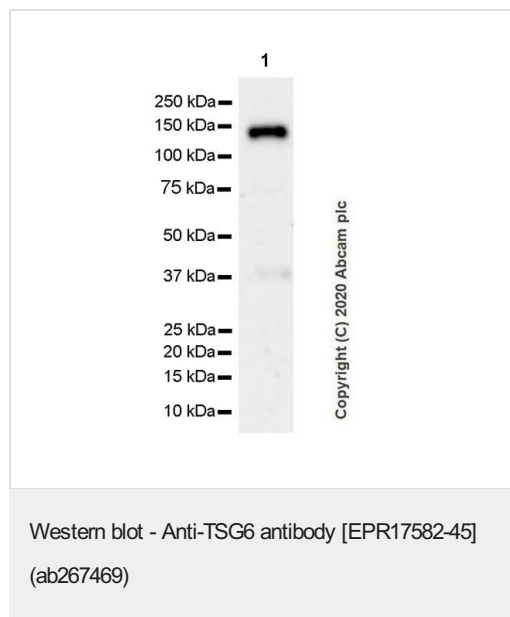
Application	Abreviews	Notes
Flow Cyt (Intra)		1/500.
WB		1/1000. Detects a band of approximately 36, 120 kDa (predicted molecular weight: 31 kDa).
IP		1/30.

Application notes Is unsuitable for ICC/IF or IHC-P.

Target

Function Possibly involved in cell-cell and cell-matrix interactions during inflammation and tumorigenesis.
Tissue specificity Found in the synovial fluid of patients with rheumatoid arthritis.
Sequence similarities Contains 1 CUB domain.
 Contains 1 Link domain.

Images



Anti-TSG6 antibody [EPR17582-45] (ab267469) at 1/1000 dilution
+ Rat amniotic membrane tissue lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution
(Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 31 kDa

Observed band size: 120,36 kDa

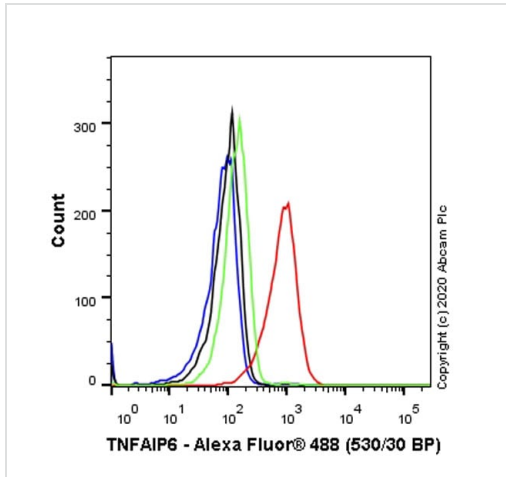
Blocking and diluting buffer and concentration: 5% NFDm/TBST.

Band of 36KDa represents the monomeric TSG6. Band of 120KDa likely represents a stable covalent complex formed between TSG6 and one of the heavy chains of inter-α-inhibitor or pre-α-inhibitor

(PMID: 22351758, 11420253).

The expression profile observed is consistent with what has been described in the literature (PMID: 22351758, 11420253, 19389798).

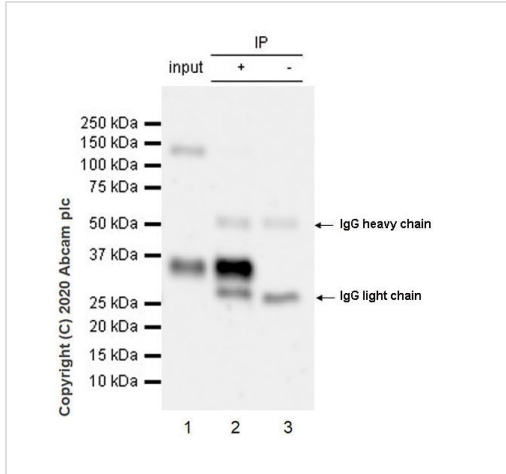
Exposure time: 3 minutes



Flow Cytometry (Intracellular) - Anti-TSG6 antibody [EPR17582-45] (ab267469)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized THP-1 (Human monocytic leukemia monocyte) (treated with 100ng/ml lipopolysaccharide (LPS) for 1h, then add BFA for 4h) (Red) / Untreated control (Green) cells labelling TSG6 with ab267469 at 1/500 dilution (0.1ug) (Red, Green) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-TSG6 antibody [EPR17582-45] (ab267469)

TSG6 was immunoprecipitated from 0.35 mg THP-1 (human monocytic leukemia monocyte) (treated with 100ng/mg LPS for 3 hours, then treated with BFA for 2 hours) whole cell lysate with ab267469 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab267469 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/5000 dilution.

Lane 1: THP-1 (treated with 100ng/mg LPS for 3 hours, then treated with BFA for 2 hours) whole cell lysate 10 ug.

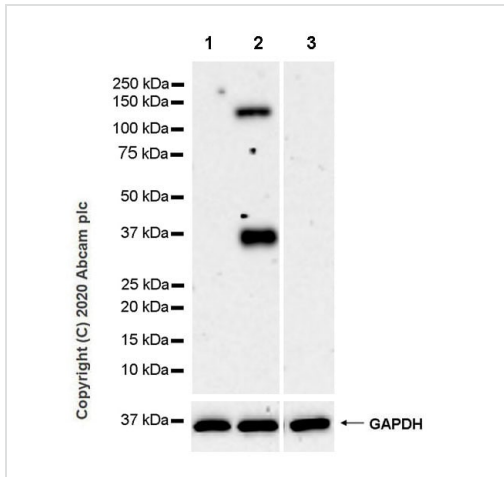
Lane 2: ab267469 IP in THP-1 (treated as above).

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab267469 in THP-1 (treated as above) whole cell lysate

Blocking and dilution buffer and concentration: 5% NFD/MTBST.

Exposure time: 41 seconds

This blot was developed using a higher sensitivity ECL substrate.



Western blot - Anti-TSG6 antibody [EPR17582-45] (ab267469)

Lane 1 : Anti-TSG6 antibody [EPR17582-45] (ab267469) at 1/1000 dilution

Lanes 2-3 : Anti-p75 NGF Receptor antibody [NOR138B] ([ab271289](#)) at 1/1000 dilution

Lane 1 : THP-1 (human monocytic leukemia monocyte), whole cell lysate

Lane 2 : THP-1 (treated with 100ng/mg LPS for 3 hours, then treated with BFA for 2 hours), whole cell lysate

Lane 3 : A549 (human lung carcinoma epithelial cell), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

Lane 1 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Lanes 2-3 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 31 kDa

Observed band size: 120,36 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

Band of 36KDa represents the monomeric TSG6. Band of 120KDa likely represents a stable covalent complex formed between TSG6 and one of the heavy chains of inter- α -inhibitor or pre- α -inhibitor (PMID: 22351758, 11420253).

The expression profile observed is consistent with what has been described in the literature (PMID: 22351758, 11420253, 19389798).

Negative control: A549 (PMID: 19389798).

Exposure time: 3 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-TSG6 antibody [EPR17582-45] (ab267469)

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

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