

Product datasheet

Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867] ab205604

Recombinant RabMAb

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

Overview

Product name	Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867]
Description	Rabbit monoclonal [EPR19867] to TGF beta 1 + TGF beta 3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human, Recombinant fragment
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: A549, K562, HL-60, L-929, C6, RAW 264.7, PC-12 and NIH/3T3 whole cell lysates; Human fetal spleen, mouse spleen and rat spleen lysates; Recombinant protein fragment human TGF beta 1 and Recombinant protein fragment human TGF beta 3.
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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR19867

Isotype IgG

Applications

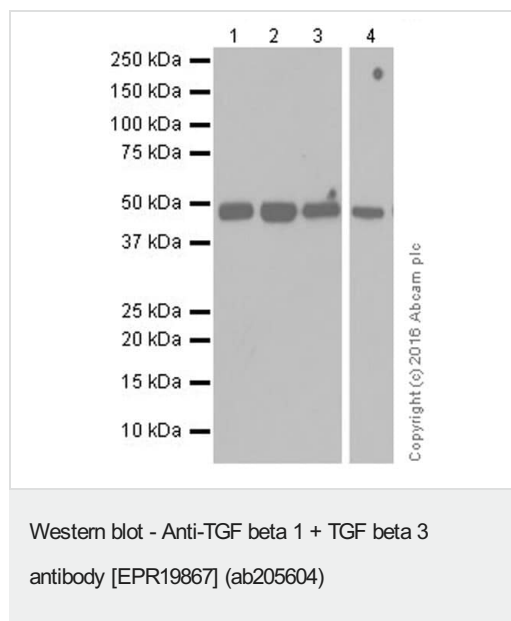
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab205604 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 44,12.5 kDa (predicted molecular weight: 44 kDa).

Target

Cellular localization TGF beta 1: Secreted > extracellular space > extracellular matrix. TGF beta 3: Secreted.

Images



All lanes : Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867] (ab205604) at 1/1000 dilution

Lane 1 : A549 (Human lung carcinoma cell line) whole cell lysate

Lane 2 : K562 (Human chronic myelogenous leukemia cell line from bone marrow) whole cell lysate

Lane 3 : HL-60 (Human promyelocytic leukemia cell line) whole cell lysate

Lane 4 : L-929 (Mouse connective tissue fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

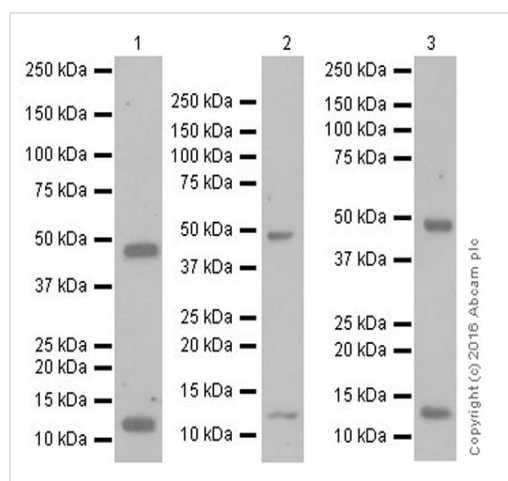
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 44 kDa

Observed band size: 12.5,44 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1-3: 30 seconds; Lane 4: 3 minutes.



Western blot - Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867] (ab205604)

Lane 1 : Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867]

(ab205604) at 1/5000 dilution

Lanes 2-3 : Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867]

(ab205604) at 1/1000 dilution

Lane 1 : Human fetal spleen tissue lysate

Lane 2 : Rat spleen tissue lysate

Lane 3 : Mouse spleen tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

Lane 1 : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

Lanes 2-3 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

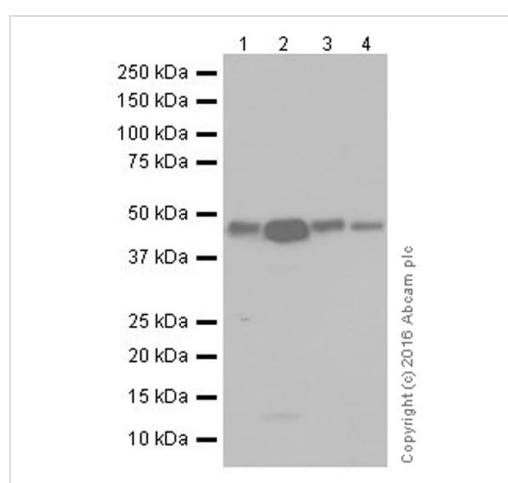
Predicted band size: 44 kDa

Observed band size: 12.5,44 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

The cleaved form observed is consistent with what has been described in the literature (PMID:12717387; PMID:2139036; PMID:3208746).



Western blot - Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867] (ab205604)

All lanes : Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867]

(ab205604) at 1/1000 dilution

Lane 1 : C6 (Rat glial tumor cell line) whole cell lysate

Lane 2 : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

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

Lane 4 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

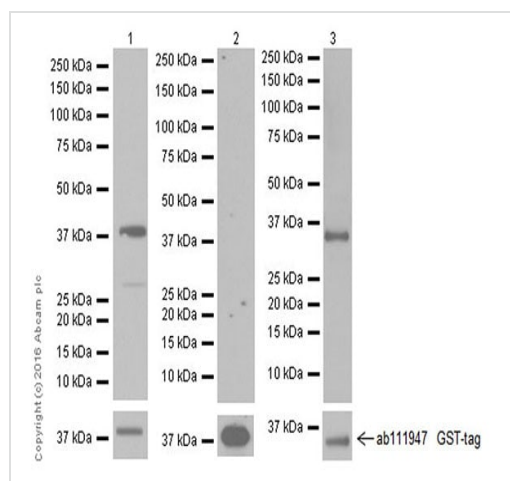
Predicted band size: 44 kDa

Observed band size: 12.5,44 kDa

Exposure time: 1 minute

Blocking/Dilution buffer: 5% NFDM/TBST.

The cleaved form observed is consistent with what has been described in the literature (PMID:12717387; PMID:2139036; PMID:3208746).



Western blot - Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867] (ab205604)

Lane 1 : Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867] (ab205604) at 1/10000 dilution

Lanes 2-3 : Anti-TGF beta 1 + TGF beta 3 antibody [EPR19867] (ab205604) at 1/1000 dilution

Lane 1 : Recombinant protein fragment human TGF beta 1

Lane 2 : Recombinant protein fragment human TGF beta 2

Lane 3 : Recombinant protein fragment human TGF beta 3

Lysates/proteins at 0.01 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 44 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1/2: 3 minutes; Lane 3: 15 seconds.

Recombinant protein fragment human TGF beta 1 contains aa279-390 with a GST-tag. Recombinant protein fragment human TGF beta 2 contains aa303-414 with a GST-tag Recombinant protein fragment human TGF beta 3 contains aa301-412 with a GST-tag. These three fragment recombinant proteins were made in-house

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-TGF beta 1 + TGF beta 3 antibody [EPR19867]
(ab205604)

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

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