

Product datasheet

Anti-TAOK1 antibody [EPR12908(2)] ab197891

Recombinant RabMAb

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

Overview

Product name	Anti-TAOK1 antibody [EPR12908(2)]
Description	Rabbit monoclonal [EPR12908(2)] to TAOK1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human seminoma and testis whole cell lysate; HeLa, Jurkat, Raw264.7 and NIH3T3 cell line whole cell lysates; Rat brain, heart and spleen tissue lysates.
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: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12908(2)
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab197891 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 116 kDa (predicted molecular weight: 116 kDa).

Target

Function

Phosphorylates MKK3 (By similarity). Activates the p38 MAP kinase pathway through the specific activation of the upstream MKK3 kinase.

Tissue specificity

Highly expressed in the testis, and to a lower extent also expressed in brain, placenta, colon and skeletal muscle.

Sequence similarities

Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 protein kinase domain.

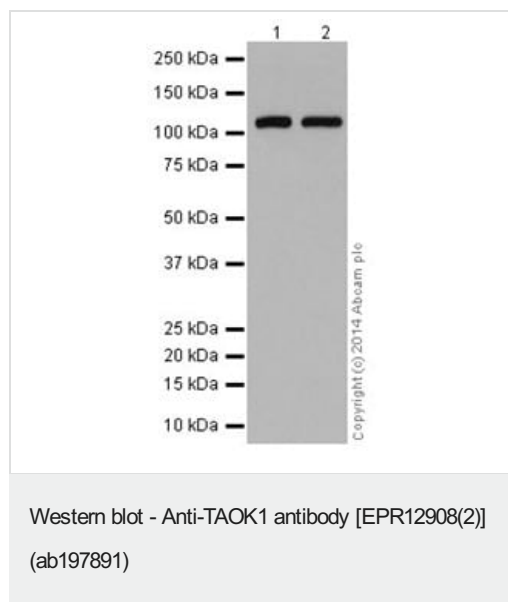
Post-translational modifications

Autophosphorylated.

Cellular localization

Cytoplasm.

Images



All lanes : Anti-TAOK1 antibody [EPR12908(2)] (ab197891) at 1/1000 dilution

Lane 1 : Human seminoma tissue lysate

Lane 2 : Human testis tissue lysate

Lysates/proteins at 20 µg per lane.

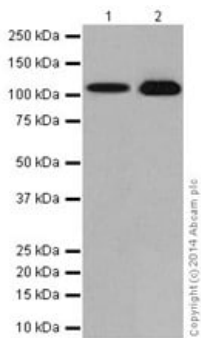
Secondary

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

Predicted band size: 116 kDa

Exposure time: 1 minute

Blocking and dilution buffer: 5% NFDM /TBST



Western blot - Anti-TAOK1 antibody [EPR12908(2)] (ab197891)

All lanes : Anti-TAOK1 antibody [EPR12908(2)] (ab197891) at 1/10000 dilution

Lane 1 : HeLa whole (Human epithelial cells from cervix adenocarcinoma) cell lysate

Lane 2 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

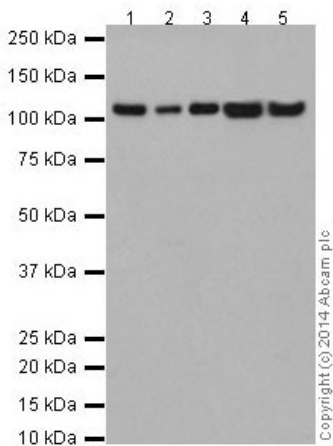
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 116 kDa

Exposure time: 1 minute



Western blot - Anti-TAOK1 antibody [EPR12908(2)] (ab197891)

All lanes : Anti-TAOK1 antibody [EPR12908(2)] (ab197891) at 1/1000 dilution

Lane 1 : Rat brain lysate

Lane 2 : Rat heart lysate

Lane 3 : Rat spleen lysate

Lane 4 : Raw264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate

Lane 5 : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate

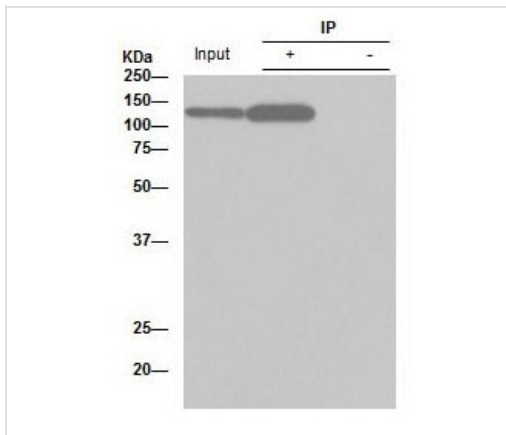
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 116 kDa

Exposure time: 1 minute



Western blot - Anti-TAOK1 antibody [EPR12908(2)]
(ab197891)

Immunoprecipitation from Jurkat (Human T cell leukemia cells from peripheral blood) whole cell extract using ab197891 at 1/100 dilution for capture (IP +) or Rabbit monoclonal IgG **ab172730** (IP -).

For WB ab197891 was used at 1/5000 dilution in 5% NFDN/TBST buffer. Input is Jurkat (Human T cell leukemia cells from peripheral blood) whole cell extract. Secondary antibody was anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

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-TAOK1 antibody [EPR12908(2)] (ab197891)

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

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