

# Anti-TWEAKR/FN14 antibody [EPR23427-30] - BSA and Azide free ab275381

Recombinant RabMAb

4 Images

## Overview

<b>Product name</b>	Anti-TWEAKR/FN14 antibody [EPR23427-30] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR23427-30] to TWEAKR/FN14 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IP <b>Unsuitable for:</b> ICC/IF, IHC-P or WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Flow cyt: NIH/3T3 cells (either starved for 8h then treated with 30ng/ml PMA for 16h or starved for 8h then treated with 10ng/ml FGF2 for 16h). IP: C2C12 whole cell lysate.
<b>General notes</b>	ab275381 is the carrier-free version of <a href="#">ab275375</a> .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

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.

This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.

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

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Constituent: 100% PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR23427-30
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab275381 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

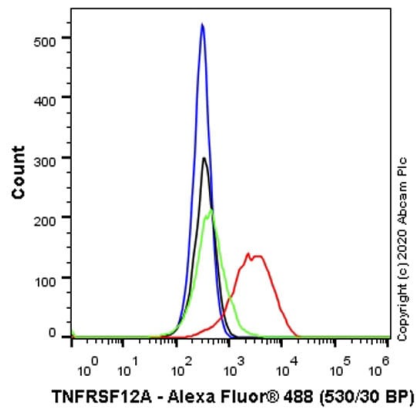
Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

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

## Target

<b>Function</b>	Receptor for TNFSF12/TWEAK. Weak inducer of apoptosis in some cell types. Promotes angiogenesis and the proliferation of endothelial cells. May modulate cellular adhesion to matrix proteins.
<b>Tissue specificity</b>	Highly expressed in heart, placenta and kidney. Intermediate expression in lung, skeletal muscle and pancreas.
<b>Sequence similarities</b>	Contains 1 TNFR-Cys repeat.
<b>Cellular localization</b>	Membrane.

## Images



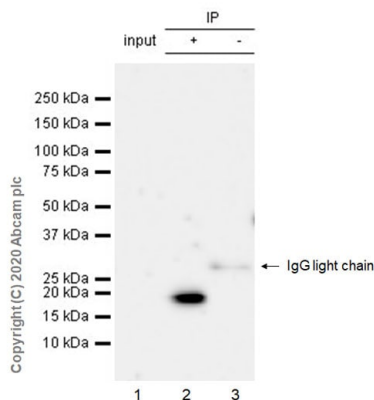
Flow Cytometry - Anti-TWEAKR/FN14 antibody  
[EPR23427-30] - BSA and Azide free (ab275381)

This data was developed using [ab275375](#), the same antibody clone in a different buffer formulation.

Flow cytometric analysis of NIH/3T3 (Mouse embryonic fibroblast) (starved for 8h then treated with 10ng/ml FGF2 for 16h) (Red) / Untreated control (Green) cells labelling TWEAKR/FN14 with [ab275375](#) at 1/500 dilution (0.1ug) compared with a Rabbit monoclonal IgG ([ab172730](#)) isotype control (Black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

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

Gated on viable cells.



Immunoprecipitation - Anti-TWEAKR/FN14 antibody  
[EPR23427-30] - BSA and Azide free (ab275381)

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TWEAKR/FN14 was immunoprecipitated from 0.35 mg C2C12 (mouse myoblasts myoblast) whole cell lysate with [ab275375](#) at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using [ab275375](#) at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

**Lane 1:** C2C12 (mouse myoblasts myoblast) whole cell lysate 10 ug

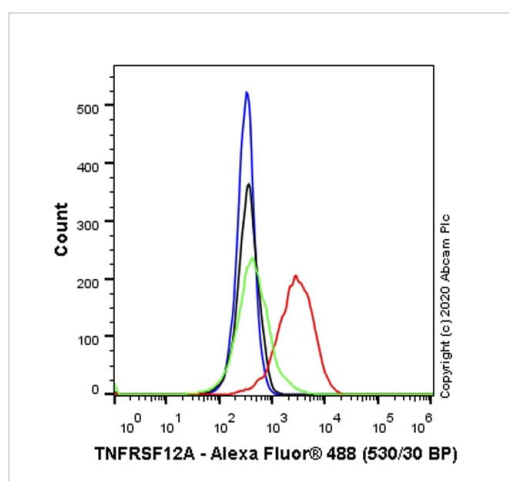
**Lane 2:** [ab275375](#) IP in C2C12 whole cell lysate

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of [ab275375](#) in C2C12 whole cell lysate

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

Exposure time: 50 seconds.

The molecular weight observed is consistent with what has been described in the literature (PMID:17383968).



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Flow cytometric analysis of NIH/3T3 (Mouse embryonic fibroblast) (starved for 8h then treated with 30ng/ml PMA for 16h) (Red) / Untreated control (Green) cells labelling TWEAKR/FN14 with **ab275375** at 1/500 dilution (0.1ug) compared with a Rabbit monoclonal IgG (**ab172730**) isotype control (Black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

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

Gated on viable cells.

### 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

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

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