

Product datasheet

Anti-FRS2 antibody [EPR14724] α ab183492

Recombinant RabMAb

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

Overview

Product name	Anti-FRS2 antibody [EPR14724]
Description	Rabbit monoclonal [EPR14724] to FRS2
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal brain, HeLa and SH-SY5Y lysates; SH-SY5Y cells.
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, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14724
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183492 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)		1/20. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 60-90 kDa (predicted molecular weight: 57 kDa).
IP		1/50 - 1/70.

Target

Function

Adapter protein that links FGR and NGF receptors to downstream signaling pathways. Involved in the activation of MAP kinases. Modulates signaling via SHC1 by competing for a common binding site on NTRK1.

Tissue specificity

Highly expressed in heart, brain, spleen, lung, liver, skeletal muscle, kidney and testis.

Sequence similarities

Contains 1 IRS-type PTB domain.

Post-translational modifications

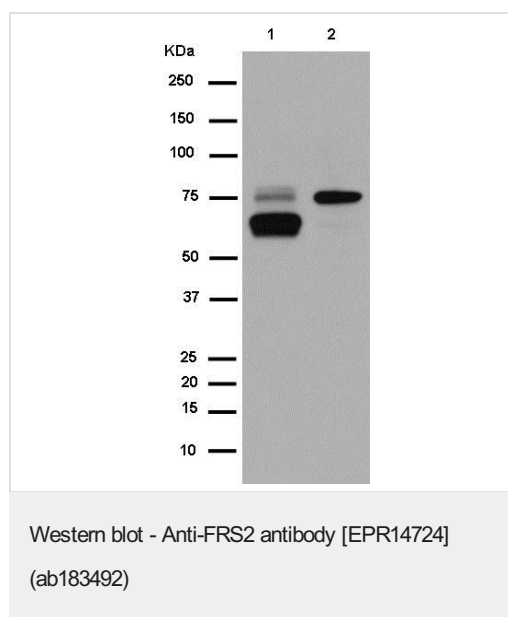
Phosphorylated on tyrosine residues upon stimulation by NGF.

Ubiquitinated when tyrosine phosphorylated and in a complex with GRB2. The unphosphorylated form is not subject to ubiquitination.

Cellular localization

Endomembrane system. Cytoplasmic, membrane-bound.

Images



All lanes : Anti-FRS2 antibody [EPR14724] (ab183492) at 1/10000 dilution

Lane 1 : Human fetal brain lysate

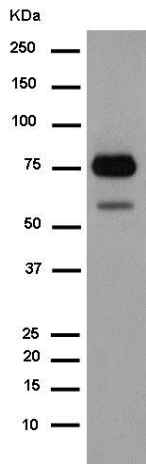
Lane 2 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 57 kDa



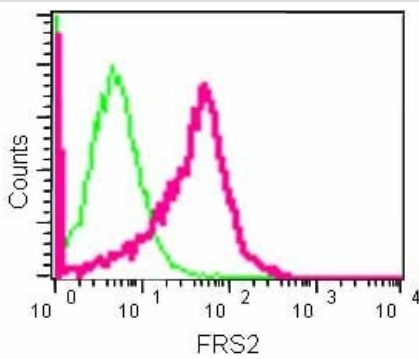
Western blot - Anti-FRS2 antibody [EPR14724] (ab183492)

Anti-FRS2 antibody [EPR14724] (ab183492) at 1/2000 dilution + SH-SY5Y cell lysate at 10 μ g

Secondary

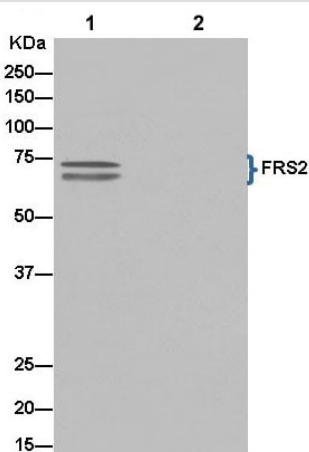
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 57 kDa



Flow Cytometry (Intracellular) - Anti-FRS2 antibody [EPR14724] (ab183492)

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed SH-SY5Y cells labeling FRS2 with ab183492 at 1/20 dilution (red), compared to a Rabbit monoclonal IgG isotype control (green), followed by Goat anti rabbit IgG (FITC) secondary antibody at 1/150 dilution.



Immunoprecipitation - Anti-FRS2 antibody [EPR14724] (ab183492)

Western blot analysis of FRS2 in Human fetal brain lysate immunoprecipitated using ab183492 at 1/50 dilution (Lane 1). Lane 2: TBS instead of Human fetal brain lysate.

Secondary: 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-FRS2 antibody [EPR14724] (ab183492)

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

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