

Product datasheet

Anti-IRS4 antibody [EP907Y] ab52622

Recombinant RabMAb

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

Overview

Product name	Anti-IRS4 antibody [EP907Y]
Description	Rabbit monoclonal [EP907Y] to IRS4
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt or IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEK-293 whole cell lysate; IP: HEK-293 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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP907Y

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab52622 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		1/10000. Detects a band of approximately 133 kDa (predicted molecular weight: 133 kDa). For unpurified use at 1/5000 dilution
IP		1/20.

Application notes

Is unsuitable for Flow Cyt or IHC-P.

Target

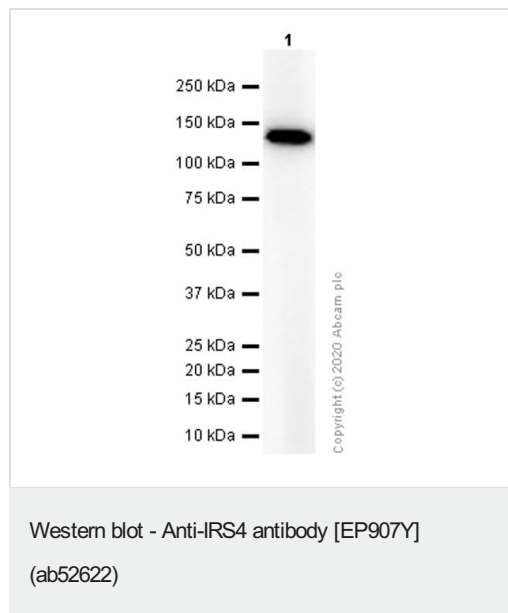
Relevance

IRS4 (Insulin receptor substrate 4) is a cytoplasmic protein that contains many potential tyrosine and serine/threonine phosphorylation sites. Tyrosine-phosphorylated IRS4 protein has been shown to associate with cytoplasmic signaling molecules that contain SH2 domains. The IRS4 protein is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation.

Cellular localization

Cell membrane; Peripheral membrane protein; Cytoplasmic side.

Images



Anti-IRS4 antibody [EP907Y] (ab52622) at 1/10000 dilution
(Purified) + HEK-293 (Human embryonic kidney epithelial cell)
whole cell lysate at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 133 kDa

Observed band size: 133 kDa

Blocking buffer: 5% NFDM/TBST



Immunoprecipitation - Anti-IRS4 antibody [EP907Y]
(ab52622)

Purified ab52622 at 1/20 dilution (0.5µg) immunoprecipitating IRS4 in HEK-293 whole cell lysate.

Lane 1 (input): HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate 10µg

Lane 2 (+): ab52622 + HEK-293 whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab52622 in HEK-293 whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 133 kDa

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

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