

Product datasheet

Anti-Wnt2/IRP antibody [EPR3101(2)] ab109222

Recombinant **RabMAb**

[14 References](#) [6 Images](#)

Overview

Product name	Anti-Wnt2/IRP antibody [EPR3101(2)]
Description	Rabbit monoclonal [EPR3101(2)] to Wnt2/IRP
Host species	Rabbit
Tested applications	Suitable for: WB, Indirect ELISA
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as ab197186)
Positive control	WB: Jurkat, MCF-7, T47-D, and SKBR-3 cell lysates. Rat and mouse brain tissue lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Frozen Stock (-20C). Shelf life 12 months.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3101(2)
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab109222 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 34 kDa (predicted molecular weight: 40 kDa).
Indirect ELISA		Use at an assay dependent concentration.

Target

Function

Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters.

Tissue specificity

Expressed in brain in the thalamus, in fetal and adult lung and in placenta.

Sequence similarities

Belongs to the Wnt family.

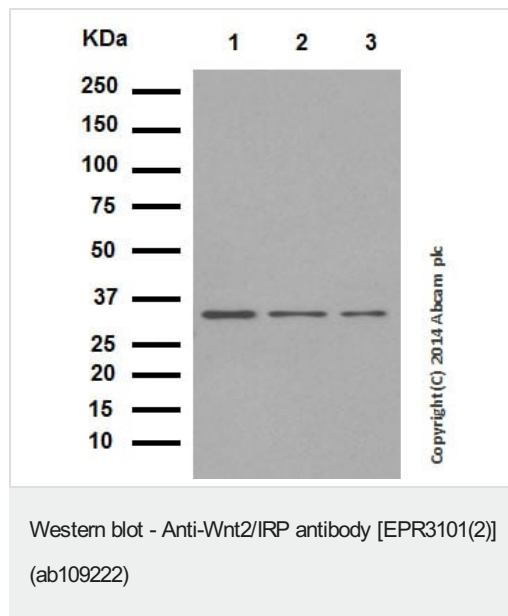
Cellular localization

Secreted > extracellular space > extracellular matrix.

Form

The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis.

Images



All lanes : Anti-Wnt2/IRP antibody [EPR3101(2)] (ab109222) at 1/5000 dilution (purified)

Lane 1 : Jurkat cell lysate

Lane 2 : MCF7 cell lysate

Lane 3 : SKBR-3 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

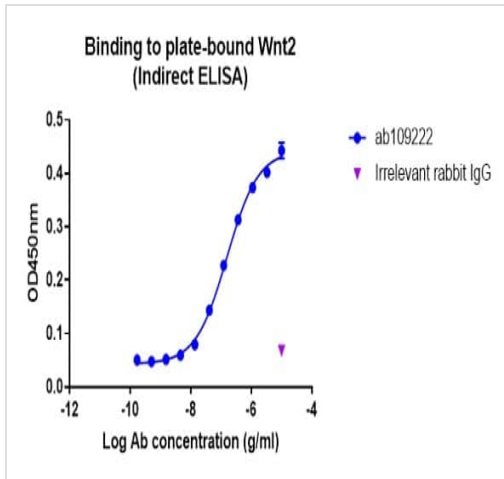
All lanes : HRP conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 40 kDa

Observed band size: 34 kDa

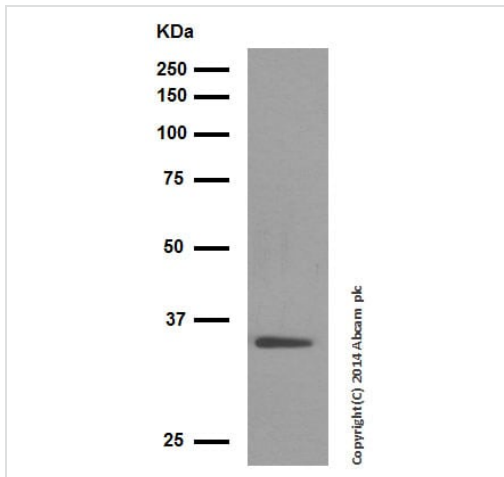
Blocking Buffer: 5% NFDM/TBST

Dilution Buffer: 5% NFDM/TBST



Representative standard curve using ab109222

Indirect ELISA - Anti-Wnt2/IRP antibody
[EPR3101(2)] (ab109222)



Anti-Wnt2/IRP antibody [EPR3101(2)] (ab109222) at 1/5000
dilution (purified) + Mouse brain tissue lysate at 10 µg

Secondary

HRP conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

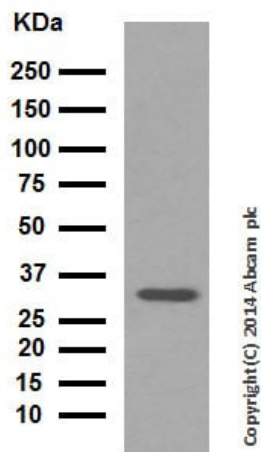
Predicted band size: 40 kDa

Observed band size: 34 kDa

Western blot - Anti-Wnt2/IRP antibody [EPR3101(2)]
(ab109222)

Blocking Buffer: 5% NFDM/TBST

Dilution Buffer: 5% NFDM/TBST



Western blot - Anti-Wnt2/IRP antibody [EPR3101(2)]
(ab109222)

Anti-Wnt2/IRP antibody [EPR3101(2)] (ab109222) at 1/1000
dilution (purified) + Rat brain tissue lysate at 20 µg

Secondary

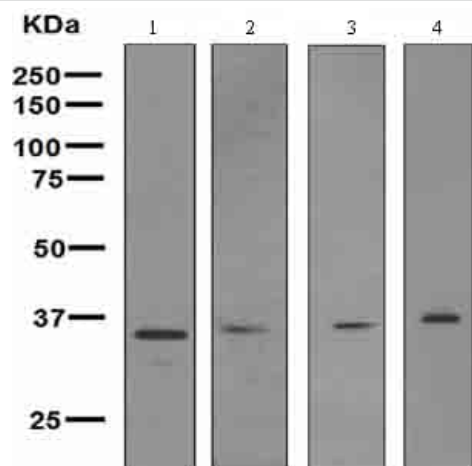
HRP conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 40 kDa

Observed band size: 34 kDa

Blocking Buffer: 5% NFDM/TBST

Dilution Buffer: 5% NFDM/TBST



Western blot - Anti-Wnt2/IRP antibody [EPR3101(2)]
(ab109222)

All lanes : Anti-Wnt2/IRP antibody [EPR3101(2)] (ab109222) at
1/1000 dilution (unpurified)

Lane 1 : Jurkat cell lysates

Lane 2 : MCF-7 cell lysates

Lane 3 : T47-D cell lysates

Lane 4 : SKBR-3 cell lysates

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Standard HRP labelled goat anti-rabbit at 1/2000
dilution

Predicted band size: 40 kDa

Observed band size: 34 kDa

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-Wnt2/IRP antibody [EPR3101(2)] (ab109222)

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

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