


Anti-Wnt3a antibody ab19925

★★★★☆ [2 Abreviews](#) [18 References](#) [2 Images](#)

Overview

Product name	Anti-Wnt3a antibody
Description	Rabbit polyclonal to Wnt3a
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse Predicted to work with: Chicken, Human, Xenopus laevis, Zebrafish, a wide range of other species 
Immunogen	Synthetic peptide corresponding to Human Wnt3a aa 200-300 (internal sequence) conjugated to keyhole limpet haemocyanin. (Peptide available as ab23326)
Positive control	In WB, this antibody gave a positive signal when tested against a partial recombinant protein. IHC-P: Mouse placenta FFPE tissue sections.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

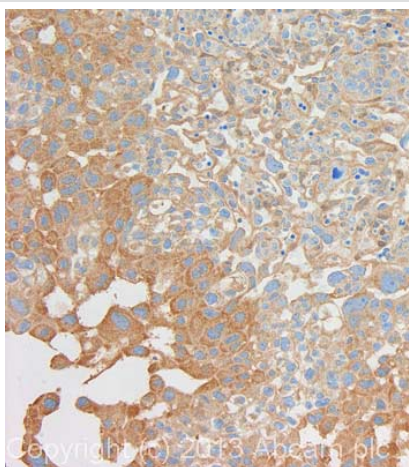
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab19925 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 39 kDa (predicted molecular weight: 39 kDa). Can be blocked with Wnt3a peptide (ab23326).
IHC-P	★★★★★ (1)	Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Ligand for members of the frizzled family of seven transmembrane receptors. Wnt-3 and Wnt-3a play distinct roles in cell-cell signaling during morphogenesis of the developing neural tube.
Tissue specificity	Moderately expressed in placenta and at low levels in adult lung, spleen, and prostate.
Sequence similarities	Belongs to the Wnt family.
Cellular localization	Secreted > extracellular space > extracellular matrix.

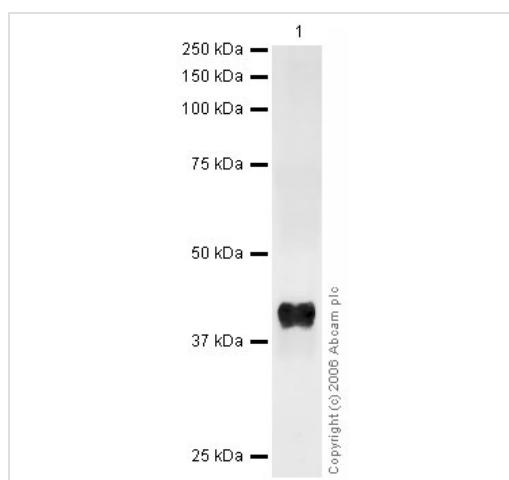
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Wnt3a antibody (ab19925)

IHC image of Wnt3a staining in mouse placenta formalin fixed paraffin embedded tissue section, performed on a Leica Bond system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab19925, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times



Western blot - Anti-Wnt3a antibody (ab19925)

Anti-Wnt3a antibody (ab19925) at 1 µg/ml + Recombinant mouse Wnt3a, AAs 19-352 with a 16 AA n-terminal non-Wnt3a sequence at 0.1 µg

Secondary

IRDye 680 Conjugated Goat Anti-Rabbit IgG at 1/15000 dilution

Predicted band size: 39 kDa

Observed band size: 39 kDa

ab19925 detects a band of the expected size for recombinant mouse Wnt3a.

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

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