

Datasheet for ABIN3042899
anti-WNT3A antibody (C-Term)



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Overview

Quantity:	100 µg
Target:	WNT3A
Binding Specificity:	AA 252-267, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT3A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Protein Wnt-3a(WNT3A) detection. Tested with WB in Human,Mouse.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Wnt3a(252-267aa WVETLRPRYTYFKVPT), identical to the related mouse sequence.
Sequence:	WVETLRPRYT YFKVPT
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Protein Wnt-3a(WNT3A) detection. Tested with WB in

Product Details

Human,Mouse.

Gene Name: wingless-type MMTV integration site family, member 3A

Protein Name: Protein Wnt-3a

Purification: Immunogen affinity purified.

Target Details

Target: WNT3A

Alternative Name: WNT3A ([WNT3A Products](#))

Background: Wingless-type MMTV integration site family, member 3A is a protein that in humans is encoded by the WNT3A gene. This gene is a member of the WNT gene family. The gene was assigned to human chromosome 1q42.13. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. It encodes a protein showing 96 % amino acid identity to mouse Wnt3A protein, and 84 % to human WNT3 protein, another WNT gene product.

Synonyms: MGC119418 antibody|MGC119419 antibody|MGC119420 antibody|Protein Wnt 3a Precursor antibody|Protein Wnt-3a antibody|Wingless type MMTV integration site family member 3A antibody|Wnt 3a antibody|wnt3a antibody|WNT3A protein antibody|WNT3A_HUMAN antibody

UniProt: [P56704](#)

Pathways: [WNT Signaling](#), [Regulation of Muscle Cell Differentiation](#), [Regulation of Cell Size](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Predicted Species: Mouse, The detection limit for WNT3A is approximately 3 ng/lane under reducing conditions.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Publications

Product cited in:	Ni, Fang, Xie, Liu, Shan, Zeng, Liu, Liu: "Adipose-Derived Mesenchymal Stem Cells Transplantation Alleviates Renal Injury in Streptozotocin-Induced Diabetic Nephropathy." in: The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society , Vol. 63, Issue 11, pp. 842-53, (2016) (PubMed).
	Liu, Deng, Zhang, Zhang: "Wnt3a expression during the differentiation of adipose-derived stem cells into cholinergic neurons." in: Neural regeneration research , Vol. 7, Issue 19, pp. 1463-8, (2015) (PubMed).



Western Blotting

Image 1. Anti-WNT3A antibody, Western blotting All lanes:
Anti WNT3A at 0.5ug/ml WB: SMMC Whole Cell Lysate at
40ug Predicted bind size: 39KD Observed bind size: 39KD