



Rabbit Anti-Wnt3a antibody

SL23278R

Product Name:	Wnt3a
Chinese Name:	信号通路Wnt3a抗体
Alias:	MGC119418; MGC119419; MGC119420; Protein Wnt 3a Precursor; Protein Wnt-3a; Wingless type MMTV integration site family member 3A; Wnt 3a; WNT3A protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	37kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Wnt3a:135-230/352
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. This gene is a member of the WNT gene family. It encodes a protein which shows 96% amino acid identity to mouse Wnt3A protein, and 84% to human WNT3 protein, another WNT gene product. This gene is clustered with WNT14 gene,

another family member, in chromosome 1q42 region. [provided by RefSeq, Jul 2008]

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.

Subunit:

Interacts with PORCN. Interacts with APCDD1 and WLS. Component of the Wnt-Fzd-LRP5-LRP6 signaling complex that contains a WNT protein, a FZD protein and LRP5 or LRP6. Interacts directly in the complex with LRP6.

Subcellular Location:

Secreted, extracellular space, extracellular matr

Tissue Specificity:

Moderately expressed in placenta and at low levels in adult lung, spleen, and prostate.

Post-translational modifications:

Palmitoylation at Ser-209 by PORCN is required for proper trafficking to cell surface, vacuolar acidification is critical to release palmitoylated WNT3A from WLS in secretory vesicles.

Similarity:

Belongs to the Wnt family.

SWISS:

P56704

Gene ID:

89780

Database links:

[Entrez Gene: 89780](#)Human

[Entrez Gene: 22416](#)Mouse

[Entrez Gene: 303181](#)Rat

[Omim: 606359](#)Human

[SwissProt: P56704](#)Human

[SwissProt: P27467](#)Mouse

[Unigene: 336930](#)Human

[Unigene: 1367](#)Mouse

[Unigene: 130971](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Wnt3a是Wnt家族的成员之一,对神经Stem cells的增殖及分化有一定的调控作用,Wnt3a蛋白可以促进神经Stem cells向神经元分化.

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