

WNT3A Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2160a

Specification

WNT3A Antibody - Product Information

Application	E, WB, IF, FC, IHC
Primary Accession	P56704
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	39.4kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human WNT3A (AA: 170-352) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

WNT3A Antibody - Additional Information

Gene ID 89780

Other Names

Protein Wnt-3a, WNT3A

Dilution

E~~1/10000
WB~~1/500 - 1/2000
IF~~1/200 - 1/1000
FC~~1/200 - 1/400
IHC~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

WNT3A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

WNT3A Antibody - Protein Information

Name WNT3A

Function

Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (PubMed:20093360, PubMed:21244856, PubMed:24841207, PubMed:26902720). Required for normal embryonic mesoderm development and formation of caudal somites. Required for normal morphogenesis of the developing neural tube (By similarity). Mediates self-renewal of the stem cells at the bottom of intestinal crypts (in vitro) (PubMed:26902720).

Cellular Location

Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P27467}. Secreted

Tissue Location

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

WNT3A Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)