

Anti-Wnt3a Antibody

Mouse Anti Human Monoclonal Antibody Catalog # AP53397

Product Information

Primary Accession
Other Accession
Host
Clonality
Monoclonal
Isotype
P56704
NM_033131
Mouse
Monoclonal
IgG1

Immunogen Purified recombinant Wnt3a protein fragments expressed in E.coli.

Purification Affinity purified

Calculated MW 39365

Additional Information

Gene ID 89780

Other Names MGC119418 ;MGC119419 ;MGC119420 ;Protein Wnt 3a Precursor ;Protein

Wnt-3a; Wingless type MMTV integration site family member 3A; Wnt 3a

;wnt3a;WNT3A protein;WNT3A_HUMAN.

Format PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

Storage Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

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:<u>20093360</u>, PubMed:<u>21244856</u>, PubMed:<u>24841207</u>, PubMed:<u>26902720</u>). 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 on intestinal crypts (in vitro) (PubMed: 26902720).

Cellular Location Secreted, extracellular space, extracellular matrix

{ECO:0000250|UniProtKB:P27467}. Secreted

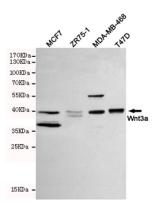
Tissue Location Moderately expressed in placenta and at low levels in adult lung, spleen, and

prostate.

Background

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.

Images



Western blot detection of Wnt3a in MCF-7,ZR75-1,MDA-MB-468 and T47D cell lysates using Wnt3a mouse mAb (1:1000 diluted).Predicted band size: 42KDa.Observed band size:42KDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.