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Anti-Wnt3a Antibody

Catalog # ABO11426

Product Information

Application	WB
Primary Accession	P56704
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Protein Wnt-3a(WNT3A) detection. Tested with WB in Human;Mouse.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	89780
Other Names	Protein Wnt-3a, WNT3A
Calculated MW	39365
Application Details	Western blot, 0.1-0.5 □g/ml, Human, Mouse
Subcellular Localization	Secreted, extracellular space, extracellular matrix.
Tissue Specificity	Moderately expressed in placenta and at low levels in adult lung, spleen, and prostate.
Source	Eukaryota
Protein Name	Protein Wnt-3a
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Wnt3a(252-267aa WVETLRPRYTYFKVPT), identical to the related mouse sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, 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.
Sequence Similarities	Belongs to the Wnt family.

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 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

Wingless-type MMIV 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.

Images



Anti-WNT3A antibody, ABO11426, Western blottingAll lanes: Anti WNT3A (ABO11426) at 0.5ug/mlWB: SMMC Whole Cell Lysate at 40ugPredicted bind size: 39KDObserved bind size: 39KD

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