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WNT3A Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2160a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	P56704
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	1E6G4
Isotype	IgG2b
Calculated MW	39365
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

Additional Information

Gene ID	89780
Other Names	Protein Wnt-3a, WNT3A
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000
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.

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.

References

1.Mol Cell Neurosci. 2013 May;54:44-57.2.J Dermatol Sci. 2011 Dec;64(3):199-209.

Images