10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WNT4 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8563b

Product Information

Application	WB, E
Primary Accession	P56705
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Chicken
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	1698CT540.169.185
Calculated MW	39052

Additional Information

Gene ID	54361
Other Names	Protein Wnt-4, WNT4
Target/Specificity	This WNT4 antibody is generated from a mouse immunized with a recombinant protein between 30-351 amino acids from human WNT4.
Dilution	WB~~1:4000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	WNT4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	WNT4
Function	Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Plays an important role in the embryonic development of the urogenital tract and the lung (PubMed:15317892, PubMed:16959810, PubMed:18179883, PubMed:18182450). Required for normal mesenchyme to epithelium transition during embryonic kidney development. Required for the formation of early epithelial renal vesicles during kidney development (By

	similarity). Required for normal formation of the Mullerian duct in females, and normal levels of oocytes in the ovaries (PubMed:15317892, PubMed:16959810, PubMed:18182450). Required for normal down-regulation of 3 beta-hydroxysteroid dehydrogenase in the ovary (PubMed:15317892, PubMed:16959810, PubMed:18182450). Required for normal lung development and for normal patterning of trachael cartilage rings (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix

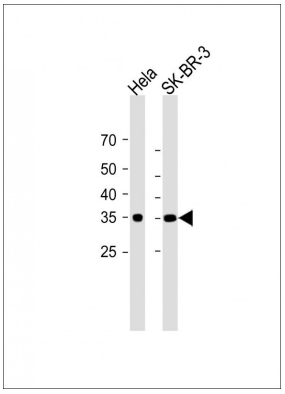
Background

Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters (By similarity). Overexpression may be associated with abnormal proliferation in human breast tissue.

References

Testa T.T.,et al.Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
Jordan B.K.,et al.Am. J. Hum. Genet. 68:1102-1109(2001).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

Images



All lanes: Anti-WNT4 Antibody at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: SK-BR-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 36 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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