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

WNT6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16552c

Product Information

Application	WB, E
Primary Accession	Q9Y6F9
Other Accession	NP_006513.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36124
Calculated MW	39721
Antigen Region	173-201

Additional Information

Gene ID	7475
Other Names	Protein Wnt-6, WNT6
Target/Specificity	This WNT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 173-201 amino acids from the Central region of human WNT6.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	WNT6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	WNT6
Function	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. Together with CAV1 may promote chemoresistance of gastric cancer cells to DNA- damaging anthracycline drugs through the activation of the canonical Wnt receptor signaling pathway.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Expressed in gastric cancer cell lines and gastric cancer tissues (at protein level). Detected in the apical gland region of the gastric foveolar epithelium (at protein level)

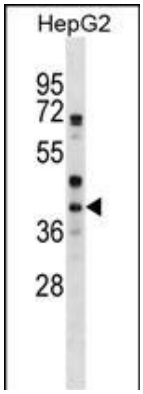
Background

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 is overexpressed in cervical cancer cell line and strongly coexpressed with another family member, WNT10A, in colorectal cancer cell line. The gene overexpression may play key roles in carcinogenesis. This gene and the WNT10A gene are clustered in the chromosome 2q35 region. The protein encoded by this gene is 97% identical to the mouse Wnt6 protein at the amino acid level.

References

Wang, C., et al. J Endod 36(2):238-243(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Adaimy, L., et al. Am. J. Hum. Genet. 81(4):821-828(2007)
Beaty, T.H., et al. Hum. Genet. 120(4):501-518(2006)
Fokina, V.M., et al. Dev. Dyn. 235(2):496-505(2006)

Images



WNT6 Antibody (Center) (Cat. #AP16552c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the WNT6 antibody detected the WNT6 protein (arrow).

Citations

- Wnt6 influences the viability of mouse embryonic palatal mesenchymal cells via the β-catenin pathway.

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