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WNT2 Rabbit pAb

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Catalog # AP52104

Product Information

Application	WB
Primary Accession	P09544
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40418
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WNT2
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	7472
Other Names	Protein Wnt-2, Int-1-like protein 1, Int-1-related protein, IRP, WNT2, INT1L1, IRP
Dilution	WB=1:500-2000,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	WNT2
Synonyms	INT1L1, IRP
Function	Ligand for members of the frizzled family of seven transmembrane

	receptors. Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (PubMed:20018874). Functions as a upstream regulator of FGF10 expression. Plays an important role in embryonic lung development. May contribute to embryonic brain development by regulating the proliferation of dopaminergic precursors and neurons (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix. Secreted
Tissue Location	Expressed in brain in the thalamus, in fetal and adult lung and in placenta.

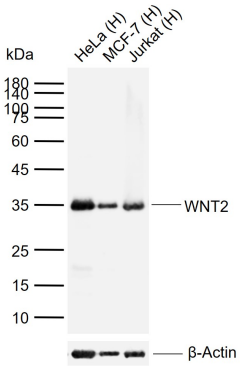
Background

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References

Wainwright B.J.,et al.EMBO J. 7:1743-1748(1988).
Farrall M.,et al.Submitted (APR-1988) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 424:157-164(2003).

Images



Sample:
Lane 1: Human HeLa cell lysates
Lane 2: Human MCF-7 cell lysates
Lane 3: Human Jurkat cell lysates
Primary: Anti-WNT2 (AP52104) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 37 kDa
Observed band size: 35 kDa

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