

VANG2 Polyclonal Antibody

Catalog No :	YN1517
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	VANG2
Fields :	>>Wnt signaling pathway
Gene Name :	VANGL2 KIAA1215 STB1
Protein Name :	Vang-like protein 2 (Loop-tail protein 1 homolog) (Strabismus 1) (Van Gogh-like protein 2)
Human Gene Id :	57216
Human Swiss Prot No :	Q9ULK5
Mouse Swiss Prot No :	Q91ZD4
Rat Swiss Prot No :	P84889
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	VANG2 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 57kD

Cell Pathway : WNT;WNT-T CELL

Background : The protein encoded by this gene is a membrane protein involved in the regulation of planar cell polarity, especially in the stereociliary bundles of the cochlea. The encoded protein transmits directional signals to individual cells or groups of cells in epithelial sheets. This protein is also involved in the development of the neural plate. [provided by RefSeq, Sep 2011],

Function : function:Involved in the control of early morphogenesis and patterning of both axial midline structures and the development of neural plate. Plays a role in the regulation of planar cell polarity, particularly in the orientation of stereociliary bundles in the cochlea. Required for polarization and movement of myocardializing cells in the outflow tract and seems to act via RHOA signaling to regulate this process.,similarity:Belongs to the Vang family.,subunit:Interacts through its C-terminal region with the N-terminal half of DVL1, DVL2 and DVL3. The PDZ domain of DVL1, DVL2 and DVL3 is required for the interaction. Also interacts with the PDZ domains of MAGI3, SCRIB/SCRB1 and FZD3.,

Subcellular Location : Cell membrane ; Multi-pass membrane protein .

Expression : Brain,

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