



VANG2 Polyclonal Antibody

Catalog No	YP-Ab-06387
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	VANGL2 KIAA1215 STB1
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KIAA1215;Loop tail protein 1 homolog;Loop-tail protein 1 homolog;LPP1;LTAP; VANG2;VANGL2 KIAA1215 STB1;Vang-like protein 2 (Loop-tail protein 1 homolog) (Strabismus 1) (Van Gogh-like protein 2)
Observed Band	60-70 kDa
Calculated Molecular Weight	521 aa, 60 kDa
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Brain,
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.,

**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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images