Datasheet for ABIN3029570

anti-VANGL2 antibody (AA 37-65)

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Overview

Quantity:	0.4 mL
Target:	VANGL2
Binding Specificity:	AA 37-65
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VANGL2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 37-65 from the human protein was used as the immunogen for this VANGL2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat
Purification:	Antigen affinity purified

Target Details

Target:	VANGL2
Alternative Name:	VANGL2 (VANGL2 Products)
Background:	Planar cell polarity (PCP) is the term given to global cell polarization, such as the alignment of

Target Details

	mammalian body hair along the anterior-posterior axis or the orientation of steriocilia bundles in the inner ear. VANGL2 is a PCP protein that is involved in the transmission of directional cues to align either individual cells within an epithelial sheet or multicellular clusters, which polarize as a group.
UniProt:	Q9ULK5
Pathways:	WNT Signaling, Stem Cell Maintenance, Tube Formation, Asymmetric Protein Localization

Application Details

Application Notes:	Titration of the VANGL2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the VANGL2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Western Blotting

Image 1. VANGL2 antibody western blot analysis in mouse brain tissue lysate. Predicted molecular weight ~60 kDa.

Western Blotting

Image 2. VANGL2 antibody western blot analysis in mouse brain tissue lysate. Predicted molecular weight ~60 kDa.