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Datasheet for ABIN5027627  
**anti-Vangl1 antibody (AA 148-400)**

1 Image

### Overview

Quantity:	100 µg
Target:	Vangl1
Binding Specificity:	AA 148-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vangl1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	A partial length recombinant Vang like-1 protein (amino acids 148-400) was used as the immunogen for this antibody.
Isotype:	IgG
Purification:	Protein A Chromatography

### Target Details

Target:	Vangl1
Alternative Name:	Vang like-1 ( <a href="#">Vangl1 Products</a> )
Background:	Vangl1 (VANGL planar cell polarity protein 1) is an integral membrane protein that belongs to the tetraspanin family having four transmembrane domains. Tetraspanins form large multimolecular complexes on the cell membrane and are involved in cellular signaling,

## Target Details

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membrane formation, and migration. Vangl1 is expressed at the plasma membrane of different tissues and play a critical role in establishing planar cell polarity (PCP) in epithelial cells and are required for convergent extension (CE) movements during embryogenesis. It is a highly conserved and have evolved from a single ancestral protein Strabismus/Van Gogh found in Drosophila. Mutations in the vangl1 gene cause NTDs (neural tube defects). Ser/Thr phosphorylation of Vangl1 serves as an effector mediating the ITF healing response of the intestinal mucosa. In colon carcinoma cell lines, Vangl1 interacts with KAI1 (CD82) tumor metastasis suppressor. Vangl1 overexpression increases motility and metastasis, whereas its inhibition decreases motility and metastasis of colon cancer confirming migratory phenotype for Vangl1 in colonic epithelial cells.

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Molecular Weight: 62 kDa

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Gene ID: 81839

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UniProt: [Q8TAA9](#)

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Pathways: [WNT Signaling](#)

## Application Details

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Application Notes: WB: 2-4 µg/mL

Restrictions: For Research Use only

## Handling

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Concentration: 0.5 mg/mL

Buffer: PBS containing 0.05 % BSA, PH 7.4

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: 4 °C/-20 °C

Storage Comment: Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

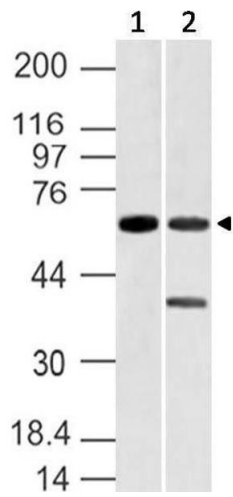


Image 1.