

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

11-10013: Polyclonal Antibody to Vang like-1

Clonality: Polyclonal
Application: WB
Reactivity: Human

 Gene :
 VANGL1

 Gene ID :
 81839

 Uniprot ID :
 Q8TAA9

 Format :
 Purified

Alternative Name : VANGL1,STB2 Isotype : Rabbit IgG

Immunogen Information: A partial length recombinant Vang like-1 protein (amino acids 148-400) was used as the

immunogen for this antibody.

Description

VangI1 (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, membrane formation, and migration. VangI1 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 vangI1 gene cause NTDs (neural tube defects). Ser/Thr phosphorylation of VangI1 serves as an effector mediating the ITF healing response of the intestinal mucosa. In colon carcinoma cell lines, VangI1 interacts with KAI1 (CD82) tumor metastasis suppressor. VangI1 overexpression increases motility and metastasis, whereas its inhibition decreases motility and metastasis of colon cancer confirming migratory phenotype for VangI1 in colonic epithelial cells.

Product Info

Amount : $25 \mu g / 100 \mu g$

Purification: Protein A Chromatography

Content: 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Storage condition:

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml

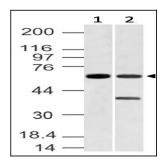


Fig-1: Western blot analysis of Vang like-1. Anti-Vang like-1 antibody (11-10013) was used at 4 μ g/ml on (1) Jurkat and (2) Liver lysates.