

VANGL1 Polyclonal Antibody

Catalog NumberPA5-23229

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µg	Western Blot (WB)	3.0-5 µg/mL
Host/Isotope	Rabbit / IgG	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Class	Polyclonal		
Type	Antibody		
Immunogen	Synthetic peptide (376 QAEQQKAPGEVMDPREA 394) of Vang-like 1 protein.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

Vang-like 1 protein is a novel human homologue of Drosophila Van Gogh/Strabismus. The Vang-like 1 gene consists of at least 7 exons, and encodes a protein with four transmembrane domains and the C-terminal Ser/Thr-X-Val motif. Studies shows that the expression of the protein is significantly up-regulated in gastric cancer cell lines MKN28, MKN74, pancreatic cancer cell lines BxPC-3, PSN-1 and Hs766T. The protein may serve as an effector mediating the intestinal trefoil factor (ITF) healing response of the intestinal mucosa. The protein also serves as a diagnostic marker for hepatocellular carcinoma as well as a potential molecular target for development of novel therapeutic drugs. The pathological role of the protein has been identified in neural tube defects (NTD). Human Vang-like 1 gene maps to chromosome 1p11-p13.1.

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