

## Product datasheet for **AP55374SU-N**

### **VANGL1 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/500-1/5000. <b>Immunohistochemistry:</b> 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from N-terminal domain of Human VANGL1
Specificity:	Reacts with Human 60 kDa VANGL1 protein. Cross reacts with Mouse.
Formulation:	State: Serum State: Lyophilized powder Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	VANGL planar cell polarity protein 1
Database Link:	<a href="#">Entrez Gene 81839 Human Q8TAA9</a>



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**Background:**

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.

**Synonyms:**

Van Gogh-like protein 1, Strabismus 2, STB2, LPP2