

Rabbit anti-Human, Mouse VANGL1 Polyclonal Antibody | anti-VANGL1 antibody

VANGL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325249	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

VANGL1; Polyclonal Antibody; VANGL1 Antibody; ANGL planar cell polarity protein 1; KAI1 C-terminal interacting tetraspanin; KITENIN; Loop tail protein 2 homolog; Loop-tail protein 2 homolog; LPP2; MGC5338; STB2; STBM2; Strabismus 2; Strabismus; Drosophila; homolog of; 2; Van Gogh like protein 1; Van Gogh; 1; Van Gogh-like protein 1; Vang like 1 (van gogh; Drosophila); Vang like protein 1; Vang-like 1; Vang-like protein 1; VANG1_HUMAN; VANGL 1; Vangl1; anti-VANGL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	VANGL1 antibody detects endogenous levels of total VANGL1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	522
Applicable Applications for anti-VANGL1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	According to PubMed:11956595, ubiquitously expressed. According to PubMed:12011995, expressed specifically in testis and ovary.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (85%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HT-29 cells, using VANGL1 antibody.



IF (Immunofluorescence)
AAA325249 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from 293, using VANGL1 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-VANGL1 antibody	Subunit Structure: Heterodimer with VANGL2. Interacts through its C-terminal region with the N-terminal half of DVL1, DVL2 and DVL3. The PDZ domain of DVL1, DVL2 and DVL3 is required for the interaction (By similarity). Similarity: Belongs to the Vang family.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	289547194
NCBI GeneID	81839
NCBI Accession #	NP_001165882.1
NCBI GenBank Nucleotide #	NM_001172411.1
UniProt Accession #	Q8TAA9; Q5T1D3; Q5T1D4; Q86WG8; Q8N559
Molecular Weight	Observed: 50 kD Predicted: 60 kDa
NCBI Official Full Name	vang-like protein 1 isoform 2
NCBI Official Synonym Full Names	VANGL planar cell polarity protein 1
NCBI Official Symbol	VANGL1
NCBI Official Synonym Symbols	LPP2; STB2; STBM2; KITENIN
NCBI Protein Information	vang-like protein 1
UniProt Protein Name	Vang-like protein 1
UniProt Gene Name	VANGL1
UniProt Synonym Gene Names	STB2; LPP2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.