

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat Vang-like Protein 2/VANGL2 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human VANGL1 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Vang-like Protein 2/VANGL2 Gln241-Val521 Accession # Q9ULK5
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

VANGL2 (van Gogh-like protein 2; also Strabismus and Ltap) is a 65 kDa member of the Vang family of proteins. It is found in the membranes of embryonic neurons and epithelium where it associates with DVL1-3 and various frizzleds. VANGL2 mutations are associated with neural tube defects. Human VANGL2 is a 521 amino acid (aa) 4-transmembrane protein that contains an N-terminal (aa 1-108) and C-terminal (aa 239-521) cytoplasmic domain. There is a Ser-rich region in the N-terminus (aa 5-20) and a PDZ-binding motif over aa 506-521. Over aa 241-521, human, mouse and rat show total identity in amino acid sequence.

PRODUCT SPECIFIC NOTICES

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