

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Wnt-2 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) Wnt-7a and rhWnt-7b is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Wnt-2 Thr33-Glu75, Leu222-Arg292 Accession # P09544
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

Human Wnt-2 is a 35 kDa, secreted, glycosylated member of the Wnt family of developmental proteins. It is considered a class 1 Wnt based on its strong transforming activity on C57MG cells. Human Wnt-2 is synthesized as a 360 amino acid (aa) precursor that contains a 335 aa mature region. The mature region contains 24 cysteines and two potential N-linked glycosylation sites. Mature human Wnt-2 is 96% aa identical to mature mouse and rat Wnt-2. Wnt-2 is produced by mammary myoepithelial cells, endometrial epithelial cells, and breast fibroblasts.

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