

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Wnt-6 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant mouse (rm) Wnt-4, rmWnt-8a, and rmWnt-9b is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Wnt-6 Met35-Glu75 and Gln238-Arg299 Accession # Q9Y6F9
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

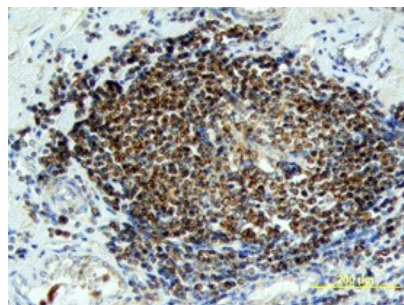
APPLICATIONS

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human Wnt-6
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



Wnt-6 in Human Colon Cancer Tissue. Wnt-6 was detected in immersion fixed paraffin-embedded sections of human colon cancer tissue using Sheep Anti-Human Wnt-6 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4190) at 10 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Sheep HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS019) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human Wnt-6 is a 46 kDa, secreted, glycoprotein of the Wnt family. Human Wnt-6 is synthesized as a 365 amino acid (aa) precursor that contains a 341 aa mature region. The mature molecule contains 24 cysteines and one potential N-linked glycosylation site. Wnt-6 is produced by mammary fibroblasts and ductal epithelium, intestinal crypt cells, and limb bud ectoderm. Over the regions used as immunogen, the aa sequences of human, mouse, and canine Wnt-6 are identical.