

DESCRIPTION

Species Reactivity	Human
Specificity	Detects recombinant human Wnt-9a in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human Wnt-2, -7a, -7b, recombinant mouse Wnt-1, -2b, -3a, -4, -5a, -5b, -8a, -8b, -9b, -10a, -10b, -11, or -16 is observed
Source	Monoclonal Mouse IgG _{2A} Clone # 326707
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Wnt-9a Pro48-Glu92 & Arg231-Phe304 Accession # O14904.2
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.

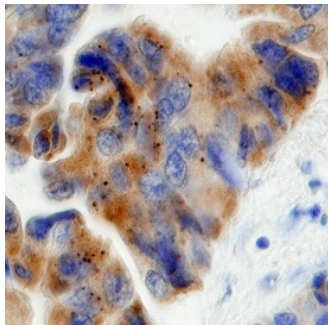
APPLICATIONS

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	1 µg/mL	Recombinant Human Wnt-9a under non-reducing conditions only
Immunohistochemistry	8-25 µg/mL	See Below

DATA

Immunohistochemistry



Wnt-9a in Human Breast Cancer Tissue.

Wnt-9a was detected in immersion fixed paraffin-embedded sections of human breast cancer tissue using 15 µg/mL Mouse Anti-Human Wnt-9a Monoclonal Antibody (Catalog # MAB31571) overnight at 4 °C. Before incubation with the primary antibody tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained with the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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

Wnt-9a (formerly Wnt14) is a member of the Wnt family, which are ligands for frizzled family receptors. Wnt-9a is a secreted glycoprotein expressed in skeletal muscle and heart as well as in B-CLL (B cell chronic lymphocytic leukemia) and gastric, pancreatic and breast cancer cells. Human Wnt-9a shares 98% aa sequence identity with mouse and rat Wnt-9a.