

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects mouse Wnt-11 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 15% cross-reactivity with recombinant mouse (rm) Wnt-3A is observed and less than 1% cross-reactivity with rmWnt-5A is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Wnt-11 peptide Leu39-Ala79 and Lys225-Arg297 Accession # Q059Y4
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 as a 0.2 µm filtered solution in PBS.

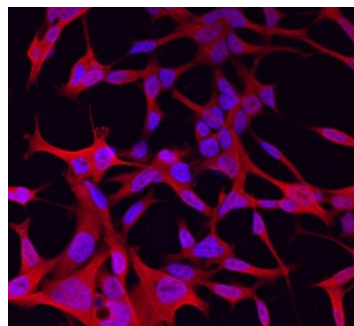
APPLICATIONS

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 Mouse Wnt-11
Immunocytochemistry	5-15 µg/mL	See Below
Immunohistochemistry	5-15 µg/mL	Immersion fixed frozen sections of mouse embryo (E13-15)

DATA

Immunocytochemistry



Wnt-11 in LNCaP Human Cell Line.

Wnt-11 was detected in immersion fixed LNCaP human prostate cancer cell line using Goat Anti-Mouse Wnt-11 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2647) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

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

Wnt-11 belongs to the Wnt family of secreted, highly conserved, cell signaling molecules that play important roles in vertebrate development. Mouse Wnt-11 shares 97% amino acid sequence identity with its human and rat homolog.