

DESCRIPTION

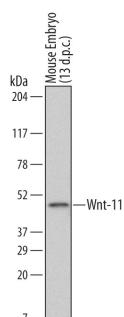
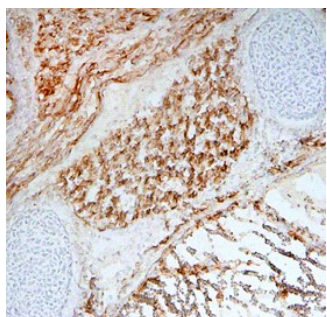
Species Reactivity	Mouse
Specificity	Detects mouse Wnt-11 in direct ELISAs and Western blots. In these formats, this antibody shows no cross-reactivity with recombinant human Wnt-2, -7a, -7b, recombinant mouse Wnt-1, -3a, -4, -5a, -5b, -8a, -8b, or -9a. Western blotting with human cell extracts demonstrates that this antibody also detects human Wnt-11.
Source	Monoclonal Rat IgG ₁ Clone # 310622
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Wnt-11 Leu39-Ala79 and Ser225-Arg297 Accession # NP_033545
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	2 µg/mL	See Below
Immunohistochemistry	8-25 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of Mouse Wnt-11 by Western Blot. Western blot shows lysates of mouse embryo (13 d.p.c.) tissue. PVDF Membrane was probed with 2 µg/mL of Rat Anti-Mouse Wnt-11 Monoclonal Antibody (Catalog # MAB3746) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for Wnt-11 at approximately 50 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Immunohistochemistry</p>  <p>Wnt-11 in Mouse Embryo. Wnt-11 was detected in immersion fixed frozen sections of mouse embryo (15 d.p.c.) using Rat Anti-Mouse Wnt-11 Monoclonal Antibody (Catalog # MAB3746) at 25 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm of muscle cells. View our protocol for Chromogenic IHC Staining of Frozen Tissue Sections.</p>
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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-11 belongs to the Wnt family of secreted, highly conserved, cysteine-rich signaling glycoproteins that are important in vertebrate development. Mouse Wnt-11a is expressed in early development and is required for cardiogenesis and branching morphogenesis of ureters. Wnt-11 signals by a non-canonical pathway and may repress canonical signaling by other Wnts. Mouse and human Wnt-11 shares 96% identity over the sequences expressed in the immunogen.