

DESCRIPTION

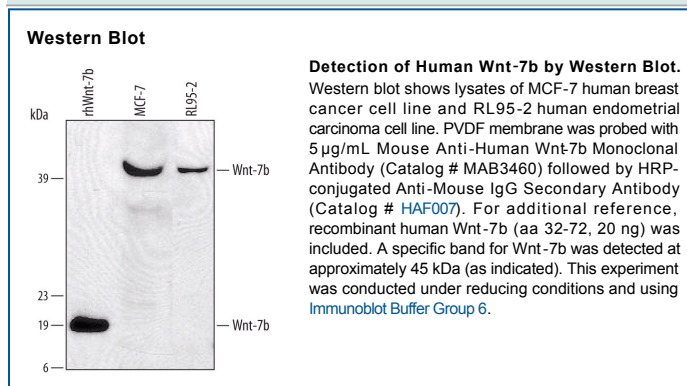
Species Reactivity	Human
Specificity	Detects human Wnt-7b in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Wnt-1, -2, -7a, -9a, recombinant mouse Wnt-2b, -3a, -4, -5a, -5b, -8a, -8b, -9b, -10a, -10b, -11, or -16 is observed. Was not tested for cross-reactivity with mouse Wnt-7b.
Source	Monoclonal Mouse IgG _{2A} Clone # 355104
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Wnt-7b Leu32-Glu72 & Thr216-Ala283 Accession # NP_478679
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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	5 µg/mL	See Below

DATA



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.
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-7b is a 46 kDa, secreted, glycosylated member of the Wnt family of developmental proteins. It is considered a class 3 Wnt based on its inability to transform C57MG cells. Human Wnt-7b is synthesized as a 349 aa precursor that contains a 318 aa mature region. The mature region contains 24 cysteines and three potential N-linked glycosylation sites. Mature human Wnt-7b is 99% identical to mature mouse and rat Wnt-7b and 80% identical to Wnt-7a. Wnt-7b is produced by mammary duct epithelium.