

Anti-Wnt11 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Human (predicted:Rat)
Molecular Weight:	Theoretical: 39 kDa. Actual: 50 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. 20 ng rmWnt11-Trx-His protein per lane probed with Wnt11 polyclonal antibody respectively, unconjugated (TMAB-14185) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>2. 25 µg total protein per lane of various lysates (see on figure) probed with Wnt11 polyclonal antibody, unconjugated (TMAB-14185) at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p>
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: mouse Wnt11 protein
Antigen Species:	Mouse
Gene ID:	22411
Uniprot ID:	P48615

Research Background

The Wnt genes belong to a family of protooncogenes with at least 13 known members that are expressed in species ranging from Drosophila to man. The name Wnt denotes the relationship of this family to the Drosophila segment polarity gene "wingless" and to its vertebrate ortholog, Int-1, a mouse proto-oncogene. Transcription of Wnt family genes appears to be developmentally regulated in a precise temporal and spatial manner. The Wnt genes encode cysteine-rich putative glycoproteins which have features typical of secreted growth factors. Wnt-11 is expressed in the tips of ureteric buds and in the perichondrium, a stem cell-like layer that surrounds the future bones and directs their growth and regeneration. Wnt-11 activity is required for cells to undergo correct convergent extension movements during gastrulation. Human Wnt-11 is also expressed in the lung mesenchyme, the urorectal septum, the urogenital folds, the labioscrotal swellings, and the cortex of the adrenal gland. Unlike other Wnt family members, Wnt-11 is not expressed in the neuroepithelium of the central nervous system. Wnt-11, along with Wnt-8c, is expressed in the posterior region of the chick embryo in the caudal paraxial mesoderm that underlies the prospective caudal neural plate. The gene which encodes Wnt-11 maps to human chromosome 11q13.5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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