

## Anti-Frizzled 1/Wnt receptor Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Chicken,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 63/71 kDa.
Purification:	Protein A purified

### Applications

	Blank control: A549.
	Primary Antibody (green line): Rabbit Anti-Frizzled 1 antibody (TMAB-06165)
	Dilution: 3 $\mu$ g /10 <sup>6</sup> cells;
	Isotype Control Antibody (orange line): Rabbit IgG.
	Secondary Antibody: Goat anti-rabbit IgG-PE
Verified Activity:	Dilution: 3 $\mu$ g /test.
	Protocol
	The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.
Application:	FCM
Recommended	FCM: 3 $\mu$ g/Test

### 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:	KLH conjugated synthetic peptide: human Frizzled 1
Antigen Species:	Human
Gene ID:	8321
Uniprot ID:	Q9UP38

### Research Background

Receptor for Wnt proteins. Most of frizzled receptors are coupled to the beta catenin canonical signaling pathway, which leads to the activation of disheveled proteins, inhibition of GSK3 kinase, nuclear accumulation of beta catenin and activation of Wnt target genes. A second signaling pathway involving PKC and calcium fluxes has been seen for some family members, but it is not yet clear if it represents a distinct pathway or if it can be integrated in the canonical pathway, as PKC seems to be required for Wnt mediated inactivation of GSK3 kinase. Both pathways seem to involve interactions with G proteins. May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. Activated by Wnt3A, Wnt3, Wnt1 and to a lesser extent Wnt2, but not by Wnt4, Wnt5A, Wnt5B, Wnt6, Wnt7A or Wnt7B.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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