



Anti-Mouse Frizzled-1 (#9A12)

frizzled
20150116ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	103-M385
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of Frizzled 1.

Target Background

Synonyms (Target):	Fzd1; Fz1; FZ-1; AW227548
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The Wnt genes encode a large family of glycoproteins that are essential in development and tissue maintenance. Members of the Frizzled family of proteins serve as receptors for the Wnt signaling pathway. Ten mouse and human Frizzled genes have been identified to date. The predicted structure of Frizzled proteins is similar among all family members, containing a divergent N-terminal signal peptide, a highly conserved extracellular cysteine rich domain (CRD), a variablelength linker region, a seven-pass transmembrane region, and a variablelength C-terminal cytoplasmic domain. The CRD, which comprises 642 amino acids and shares 95% identity with the human orthologue in the CRD. Frizzled1 mRNA has been detected in relatively large amounts in adult heart, placenta, lung, kidney, pancreas, prostate, and ovary, and in fetal lung and kidney. Several Frizzled dependent signaling pathways exist. Their activation depends on the Wnt ligand and the cell context. Members of the low density lipoprotein receptorrelated protein (LRP) are coreceptors for the Wnt ligands.

Database References Target

Protein RefSeq:	NP_067432.2
Uniprot ID:	O70421
mRNA RefSeq:	NM_021457.3

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#9A12)
Isotype	IgG1
Purification	Protein G/A chromatography
Antigen	recombinant mouse protein Frizzled 1
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse Frizzled 1 with WB.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:
WB

Recommended usage:

WB: 1:500-2000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!