ARG56583
anti-Frizzled 2 antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Frizzled 2
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Frizzled 2
Species	Human
Immunogen	Synthetic peptide around aa. 208-260 of Human Frizzled 2.
Conjugation	Un-conjugated
Alternate Names	fzE2; FzE2; Fz2; Frizzled-2; hFz2; Fz-2; fz-2

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

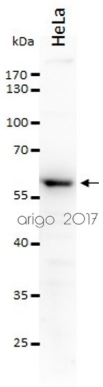
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.2) and 0.05% Sodium azide.
Preservative	0.05% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FZD2
Gene Full Name	frizzled class receptor 2
Background	This intronless gene is a member of the frizzled gene family. Members of this family encode seven-transmembrane domain proteins that are receptors for the wingless type MMTV integration site family of signaling proteins. This gene encodes a protein that is coupled to the beta-catenin canonical signaling pathway. Competition between the wingless-type MMTV integration site family, member 3A and wingless-type MMTV integration site family, member 5A gene products for binding of this protein is thought to regulate the beta-catenin-dependent and -independent pathways. [provided by RefSeq, Dec 2010]
Function	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 GSK-3 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 GSK-3 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. [UniProt]
Calculated Mw	64 kDa
PTM	Ubiquitinated by ZNRF3, leading to its degradation by the proteasome.

Images



ARG56583 anti-Frizzled 2 antibody WB image

Western blot: 20 µl of HeLa cell lysate stained with ARG56583 anti-Frizzled 2 antibody at 1:500 dilution.