

Product datasheet

Anti-Frizzled 6 antibody - N-terminal ab229663

1 Image

Overview

Product name	Anti-Frizzled 6 antibody - N-terminal
Description	Rabbit polyclonal to Frizzled 6 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Rhesus monkey 
Immunogen	Synthetic peptide within Human Frizzled 6 (N terminal). The exact sequence is proprietary. Carrier-protein conjugated Database link: O60353
Positive control	A431, HeLa, HepG2, Jurkat, Raji, NCI-H929 and unboiled HEK-293T cell extracts; Boiled HEK-293T membrane extract.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin Constituents: PBS, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab229663** in the following tested applications.

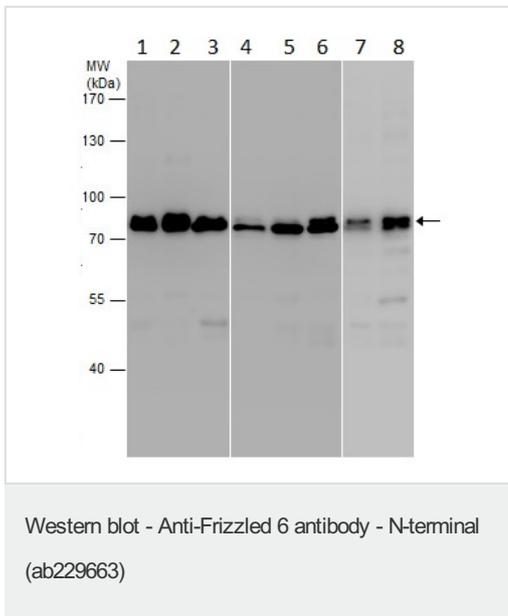
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 79 kDa.

Target

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. Together with FZD3, is involved in the neural tube closure and plays a role in the regulation of the establishment of planar cell polarity (PCP), particularly in the orientation of asymmetric bundles of stereocilia on the apical faces of a subset of auditory and vestibular sensory cells located in the inner ear.
Tissue specificity	Detected in adult heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, thymus, prostate, testis, ovary, small intestine and colon. In the fetus, expressed in brain, lung, liver and kidney.
Involvement in disease	Nail disorder, non-syndromic congenital, 10 Rare non-synonymous variants in FZD6 may contribute to neural tube defects, congenital malformations of the central nervous system and adjacent structures related to defective neural tube closure during the first trimester of pregnancy.
Sequence similarities	Belongs to the G-protein coupled receptor Fz/Smo family. Contains 1 FZ (frizzled) domain.
Domain	Lys-Thr-X-X-X-Trp motif interacts with the PDZ domain of Dvl (Disheveled) family members and is involved in the activation of the Wnt/beta-catenin signaling pathway. The FZ domain is involved in binding with Wnt ligands.
Post-translational modifications	Ubiquitinated by ZNRF3, leading to its degradation by the proteasome.
Cellular localization	Membrane. Cell membrane. Cell surface. Apical cell membrane. Cytoplasmic vesicle membrane. Colocalizes with FZD3 at the apical face of cells (By similarity).

Images



All lanes : Anti-Frizzled 6 antibody - N-terminal (ab229663) at 1/1000 dilution

Lane 1 : A431 (human epidermoid carcinoma cell line) whole cell extract

Lane 2 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell extract

Lane 3 : HepG2 (human liver hepatocellular carcinoma cell line) whole cell extract

Lane 4 : Jurkat (human T cell leukemia cell line from peripheral blood) whole cell extract

Lane 5 : Raji (human Burkitt's lymphoma cell line) whole cell extract

Lane 6 : NCI-H929 (human bone marrow lymphoblast cell line) whole cell extract

Lane 7 : Unboiled HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell extract

Lane 8 : Unboiled HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) membrane extract

Lysates/proteins at 30 µg per lane.

Predicted band size: 79 kDa

7.5% SDS-PAGE gel.

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