

Product datasheet

Anti-Frizzled 6 antibody ab105116

1 图像

概述

产品名称	Anti-Frizzled 6抗体
描述	兔多克隆抗体to Frizzled 6
宿主	Rabbit
经测试应用	适用于: IP 不适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Rabbit, Chicken, Guinea pig, Dog, Turkey, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Platypus 
免疫原	Synthetic peptide, corresponding to a region within amino acids 500-550 of Human Frizzled 6 (NP_003497.2; GeneID 8323).
阳性对照	HeLa whole cell lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: Tris citrate/phosphate, pH 7-8
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab105116** in the following tested applications.

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

应用	Ab评论	说明
IP		Use a concentration of 2 - 5 µg/ml.

**应用说明**

Is unsuitable for WB.

**靶标**

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**功能**

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.

**组织特异性**

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.

**疾病相关**

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.

**序列相似性**

Belongs to the G-protein coupled receptor Fz/Smo family.  
Contains 1 FZ (frizzled) domain.

**结构域**

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.

**翻译后修饰**

Ubiquitinated by ZNRF3, leading to its degradation by the proteasome.

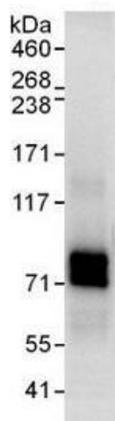
**细胞定位**

Membrane. Cell membrane. Cell surface. Apical cell membrane. Cytoplasmic vesicle membrane. Colocalizes with FZD3 at the apical face of cells (By similarity).

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**图片**

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Immunoprecipitation - Anti-Frizzled 6 antibody  
(ab105116)

Frizzled 6 in HeLa whole cell lysate  
immunoprecipitated using ab105116 at 3  
 $\mu\text{g}/\text{mg}$  lysate (1 mg/IP; 20% of IP loaded/lane).  
Exposure time: 3 seconds. For blotting  
immunoprecipitated Frizzled 6, another  
antibody was used at 0.4  $\mu\text{g}/\text{ml}$ .

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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