




Anti-Frizzled 5 antibody ab75234

17 References 3 图像

概述	
产品名称	Anti-Frizzled 5抗体
描述	兔多克隆抗体to Frizzled 5
宿主	Rabbit
经测试应用	适用于: ELISA, WB, ICC/IF, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide corresponding to Human Frizzled 5 (internal sequence). Sequence: CGHDTGQPRAKPEY (Peptide available as ab134673 , ab234542) <div> Run BLAST with  Run BLAST with</div>
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, PBS Without Mg2+ and Ca2+
纯度	Immunogen affinity purified
克隆	多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab75234于以下的经测试应用

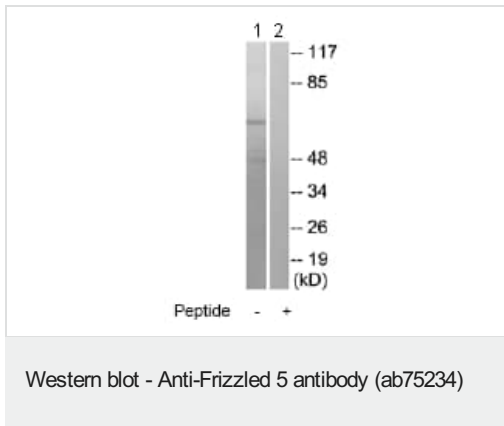
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
WB		1/500 - 1/1000. Detects a band of approximately 65 kDa (predicted molecular weight: 65 kDa).
ICC/IF		1/500 - 1/1000.
IHC-P		Use a concentration of 4 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

靶标

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. Interacts specifically with Wnt5A to induce the beta-catenin pathway.
序列相似性	Belongs to the G-protein coupled receptor Fz/Smo family. Contains 1 FZ (frizzled) domain.
结构域	The PDZ-binding motif mediates interaction with GOPC. Lys-Thr-X-X-X-Trp motif interacts with the PDZ doman 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.
细胞定位	Cell membrane. Golgi apparatus membrane. Localized at the plasma membrane and also found at the Golgi.

图片



All lanes : Anti-Frizzled 5 antibody (ab75234) at 1/500 dilution

Lane 1 : LOVO cell extracts

Lane 2 : LOVO cell extracts with immunising peptide at 10 µg

Lysates/proteins at 30 µg per lane.

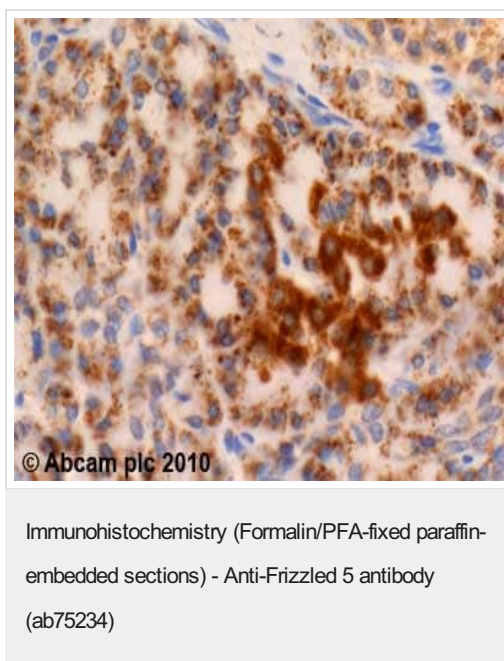
Predicted band size: 65 kDa

Observed band size: 65 kDa

Additional bands at: 48 kDa. We are unsure as to the identity of these extra bands.



ab75234 at 1/500 dilution staining Frizzled 5 in A549 cells by Immunofluorescence, in the absence or presence of the immunising peptide.



ab75234 (4µg/ml) staining Frizzled 5 in human pancreas using an automated system (DAKO Autostainer Plus). Using this protocol there is strong cytoplasmic staining of the Islets of Langerhans. Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.

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