

Anti-Frizzled-8 Antibody (5A651)

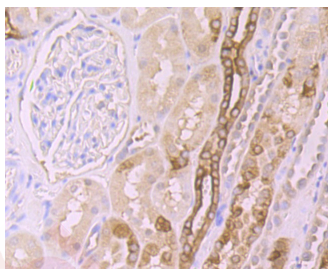
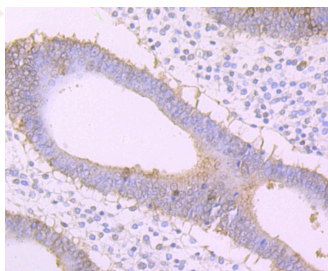
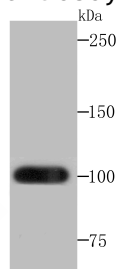
Product Details

| | |
|-------------------|------------------------|
| Ig Type: | IgG |
| Reactivity: | Human,Mouse |
| Conjugation: | Unconjugated |
| Molecular Weight: | Theoretical: 73 kDa. |
| Clone: | 5A651 |
| Purification: | ProA affinity purified |

Applications

Verified Activity:

1. Western blot analysis of Frizzled 8 on mouse lung tissue lysates using anti-Frizzled 8 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-Frizzled 8 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Frizzled 8 antibody. Counter stained with hematoxylin.



| | |
|--------------|-------------------------------|
| Application: | IHC,WB |
| Recommended | WB: 1:500-1000; IHC: 1:50-100 |

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q9H461

Synonyms: Frizzled-8;frizzled family receptor 8;FZ-8;Frizzled8;FZD8;hFZ8;frizzled 8

Research Background

Receptor for Wnt proteins. Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalosomes. The beta-catenin canonical signaling pathway 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. Coreceptor along with RYK of Wnt proteins, such as WNT1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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