

DESCRIPTION	
<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects mouse Frizzled-3 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse Frizzled-1, -4, -7, or -8 is observed. By immunohistochemistry, this antibody also detects mouse Frizzled-3 on differentiated embryoid bodies derived from the mouse embryonic cell line, D3. This antibody also detects Frizzled-3 on human HEK293 cells by immunocytochemistry.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 169310
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Frizzled-3 Met1-Val157 Accession # Q61086
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

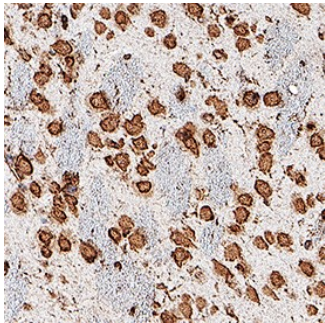
**APPLICATIONS**

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
<b>Immunohistochemistry</b>	1-10 µg/mL	Immersion fixed paraffin-embedded sections of human cortex and mouse cortex.

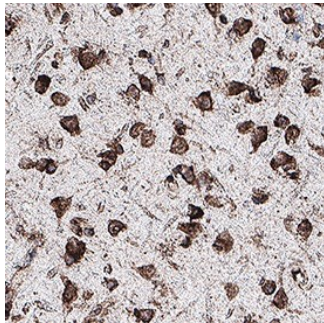
**DATA**

**Immunohistochemistry**



**Detection of Frizzled-3 in Mouse Cortex.** Frizzled-3 was detected in immersion fixed paraffin-embedded sections of mouse cortex using Rat Anti-Human/Mouse Frizzled-3 Monoclonal Antibody (Catalog # MAB1001) at 0.5 µg/ml for 1 hour at room temperature followed by incubation with the Anti-Rat IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC005). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS021). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the cell surface. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

**Immunohistochemistry**



**Detection of Frizzled-3 in Human Cortex.** Frizzled-3 was detected in immersion fixed paraffin-embedded sections of human cortex using Rat Anti-Human/Mouse Frizzled-3 Monoclonal Antibody (Catalog # MAB1001) at 5 µg/ml for 1 hour at room temperature followed by incubation with the Anti-Rat IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC005). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS021). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the cell surface. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS. For liquid material, refer to CoA for concentration.
<b>Shipping</b>	Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

Frizzled-3 is an integral membrane protein that belongs to the Frizzled family of G-protein coupled receptors. Frizzleds function as receptors for Wnt proteins.