

**DESCRIPTION**

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse AMIGO3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse AMIGO2, recombinant human (rh) AMIGO1, or rhAMIGO2 is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 371301
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse AMIGO3 Thr20-Pro378 Accession # Q8C2S7
<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 as a 0.2 µm filtered solution in PBS.

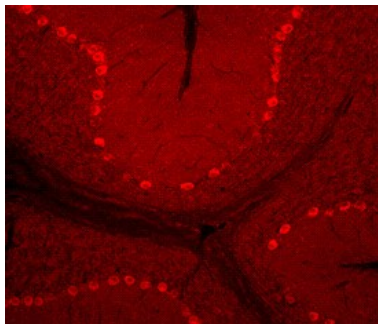
**APPLICATIONS**

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	Recombinant Mouse AMIGO3
<b>Immunohistochemistry</b>	8-25 µg/mL	See Below

**DATA**

**Immunohistochemistry**



**AMIGO3 in Mouse Brain.** AMIGO3 was detected in perfusion fixed frozen sections of mouse brain (cerebellum) using 25 µg/mL Rat Anti-Mouse AMIGO3 Monoclonal Antibody (Catalog # MAB2375) overnight at 4 °C. Tissue was stained (red). View our protocol for [Fluorescent IHC Staining of Frozen Tissue Sections](#).

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <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**

AMIGO3 (Amphoterin-Induced Gene and ORF 3) is a member of the AMIGO family of type I transmembrane proteins that contain 6 leucine-rich repeats (CRRs) and one Ig domain in their extracellular domains. It is ubiquitously expressed and is detected in all tissues studied. AMIGO3 shows less than 40% amino acid sequence homology with AMIGO1 and 2. The extracellular domain of mouse AMIGO3 shares 90% and 75% amino acid sequence identity with that of rat and human AMIGO3, respectively.