

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human 5HT1B.
Source	Monoclonal Mouse IgG ₁ Clone # 499325
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human 5HT1B Met1-Ser390 Accession # P28222
Formulation	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
Immunohistochemistry	8-25 µg/mL	Immersion fixed paraffin-embedded sections of human brain (cortex and glia)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

5HT1B is a 7TM receptor for serotonin and is expressed on striatal neurons and Purkinje cells in the cerebellum. 5HT1B ligation inhibits glycinergic signaling, appetite, circadian rhythm light responsiveness, and trigeminal-mediated nociception. It is an important pharmacologic target in the treatment of migraine headaches. Human 5HT1B shares 92% aa sequence identity with mouse and rat 5HT1B.