Human Neuromedin B R/NMBR Antibody

Monoclonal Mouse IgG_{2B} Clone # 466501

Catalog Number: MAB47281

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Neuromedin B R/NMBR in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 466501
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Neuromedin B R/NMBR Accession # NP_002502
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 as a 0.2 μm filtered solution in PBS.

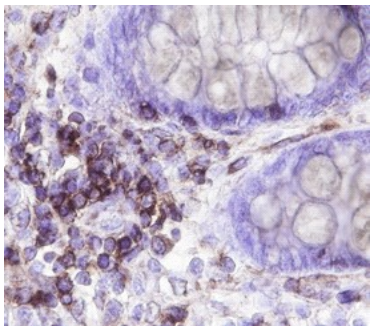
APPLICATIONS

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	See Below

DATA

Immunohistochemistry



Neuromedin B R/NMBR in Human Colon Cancer Tissue.
Neuromedin B R/NMBR was detected in immersion fixed paraffin-embedded sections of human colon cancer tissue using Human Neuromedin B R/NMBR Monoclonal Antibody (Catalog # MAB47281) at 15 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to plasma membranes. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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.** ● 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

Neuromedin B Receptor (NMBR) is an 80 kDa, 390 amino acid (aa) G-protein coupled 7-transmembrane glycoprotein receptor for bombesin-like peptides, binding Neuromedin B with high affinity and GRP (gastrin releasing peptide) with lower affinity. Neuromedin B R expression in the olfactory and central thalamic regions of the brain plays a role in thermoregulation. It has also been shown to be mitogenic in colonic epithelium. Expression in the pituitary gland is important for regulation of the pituitary-thyroid axis. Within extracellular domains, human Neuromedin B R shares 86% and 82% aa identity with mouse and rat Neuromedin B R, respectively.

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