Rat KOR Antibody

Recombinant Monoclonal Rabbit IgG Clone # 1123A
Catalog Number: MAB8867

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat KOR in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1123A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Rat KOR N-terminal synthetic peptide Accession # P34975
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.

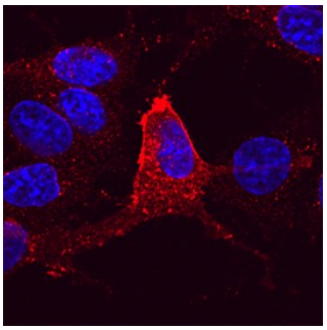
APPLICATIONS

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
Immunocytochemistry	8-25 µg/mL	See Below

DATA

Immunocytochemistry



KOR in CHO Chinese Hamster Cell Line. KOR was detected in immersion fixed CHO Chinese hamster ovary cell line transfected with KOR using Rabbit Anti-Rat KOR Monoclonal Antibody (Catalog # MAB8867) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Specific staining was localized to plasma membrane and cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

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.** • 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

KOR is a 45 kDa 7TM opioid receptor that is primarily expressed in the central nervous system and peripheral visceral pain sensory nerves. Following ligation by dynorphin peptides, KOR signaling induces analgesia, dysphoria, diuresis, and increased feeding desire. KOR also exerts neuroprotective and anti-inflammatory effects. Human KOR shares 94% amino acid sequence identity with mouse and rat KOR.

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