

## DESCRIPTION

|                                                                                                                                                                                                         |                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Rat                                                                             |
| <b>Specificity</b>                                                                                                                                                                                      | Detects rat KOR in direct ELISAs.                                               |
| <b>Source</b>                                                                                                                                                                                           | Monoclonal Rabbit IgG Clone # 1123A                                             |
| <b>Purification</b>                                                                                                                                                                                     | Protein A or G purified from cell culture supernatant                           |
| <b>Immunogen</b>                                                                                                                                                                                        | Rat KOR N-terminal synthetic peptide<br>Accession # P34975                      |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                    |
| *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |                                                                                 |

## 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.

**Immunocytochemistry** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## 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.

## PRODUCT SPECIFIC NOTICES

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