

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Sigma-1 R in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 1319A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic peptide containing human Sigma-1 R Accession # Q99720
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	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

Sigma non-opioid intracellular receptor 1 (SIGMAR1, OPRS1 or Sigma1 receptor) is a 223 aminoacids (aa), 25KDa chaperone protein at the endoplasmic reticulum (ER) that modulates calcium signaling through the IP3 receptor. Sigmar1 functions as a lipid transporter and is involved in a wide array of cellular functions probably through regulation of the biogenesis of lipid microdomains at the plasma membrane. In Human, at least 4 other isoforms have been found, ranging from 12-22 KDa.

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