

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human TOR in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 303728
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human TOR Phe1720-Ala2020 Accession # P42345
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

TOR, also known as FRAP1, is a member of the PI 3-kinase-related kinase (PIKK) family. It is the protein target of rapamycin, an anti-rejection drug used in transplantation and promising anti-cancer agent. TOR plays a crucial role in the control of cell growth and proliferation as a downstream target of the PI 3-kinase/Akt signal transduction pathway.

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