

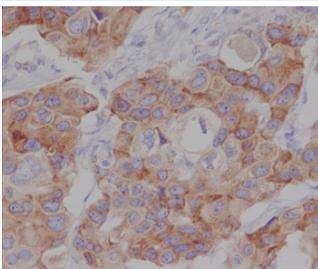
Phospho-mTOR Antibody (pS2448) [clone IFF-13] (RQ8814)

Catalog No.	Formulation	Size
RQ8814	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

Availability	1-3 days
Species Reactivity	Human
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	IFF-13
UniProt	P42345
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:50-1:200
Limitations	This Phospho-mTOR antibody is available for research use only.



IHC staining of FFPE human breast cancer tissue with Phospho-mTOR antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human HEK293 cell lysate with Phospho-mTOR antibody.

Description

Serine/threonine protein kinase which is a central regulator of cellular metabolism, growth and survival in response to hormones, growth factors, nutrients, energy and stress signals. MTOR directly or indirectly regulates the phosphorylation of at least 800 proteins and functions as part of 2 structurally and functionally distinct signaling complexes mTORC1 and mTORC2 (mTOR complex 1 and 2). [UniProt]

Application Notes

Optimal dilution of the Phospho-mTOR antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to the region of human mTOR protein surrounding phosphorylated serine 2448 was used as the immunogen for the Phospho-mTOR antibody (pS2448).

Storage

Store the Phospho-mTOR antibody at -20oC.