Human/Mouse 4EBP1 Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3227G
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse 4EBP1.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human 4EBP1 Ser2-Ile118 Accession # Q13541
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.*

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	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

The eukaryotic initiation factor 4E (eIF-4E) binding protein 1 (4EBP1) binds to eIF-4E to prevent translation initiation. Upon phosphorylation by the target of rapamycin (TOR) kinase, 4EBP1 releases eIF-4E and translation initiation ensues. 4EBP1 is also known as PHAS-1 (phosphorylated heat and acid stable protein regulated by insulin 1).

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