Anti-Phospho-eIF4E (Ser209) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015023

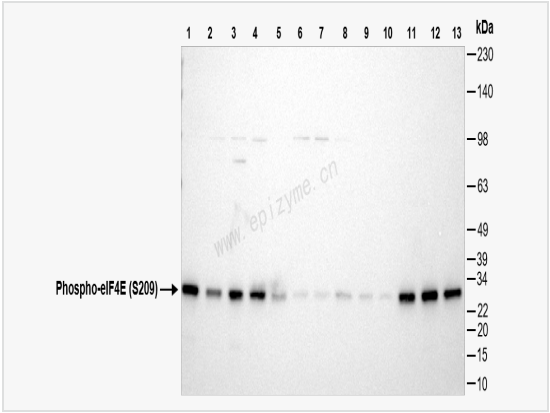
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	56N47C29
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-eIF4E (S209)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-eIF4E (Ser209) Rabbit mAb [56N47C29] is for research use only and not for use in diagnostic or therapeutic procedures.

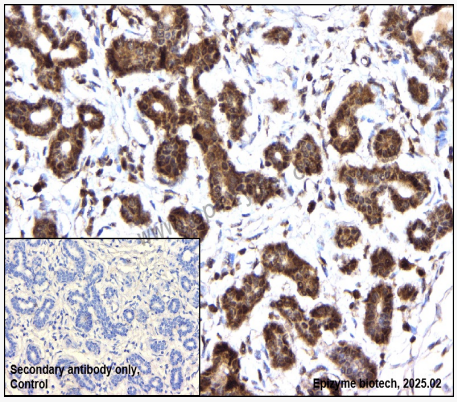
Protein Information

Synonyms	AUTS19, CBP, eIF 4E, eIF 4F 25 kDa subunit, EIF 4F, eIF-4E, eIF-4F 25 kDa subunit, eIF4E, EIF4E1, EIF4EL1, EIF4F, Eukaryotic translation initiation factor 4 E, Eukaryotic translation initiation factor 4E, Eukaryotic translation initiation factor 4E like 1, IF4E_HUMAN, Messanger RNA Cap Binding Protein eIF 4E, MGC111573, mRNA cap binding protein, mRNA cap-binding protein.
Calculated MW	Calculated MW: 25 kDa; Observed MW: 25 kDa
Uniprot ID	P06730
Gene ID	1977
Background	The protein encoded by this gene is a component of the eukaryotic translation initiation factor 4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of messenger RNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the 5'-cap structure. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. This gene acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015].

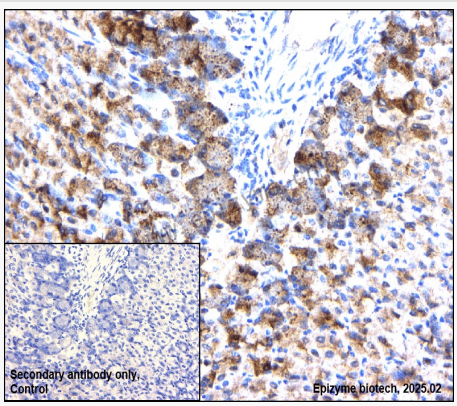
Validation Images



Western Blot - Anti-Phospho-eIF4E (Ser209) Rabbit mAb [56N47C29]
All lanes: R015023 at 1:1,000 dilution
Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2 : HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3 : HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4 : SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 5 : Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates
Lane 6 : Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 7 : 293T (Human embryonic kidney cell) whole cell lysates
Lane 8 : SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 9 : Mouse heart whole tissue lysates
Lane 10 : Mouse brain whole tissue lysates
Lane 11 : C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 12 : Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 13 : PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 25 kDa
Observed band size: 25 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-eIF4E (Ser209) Rabbit mAb [56N47C29]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015023 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Phospho-eIF4E (Ser209) Rabbit mAb [56N47C29]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse stomach tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015023 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.