

Phospho-eIF4E (S209) Rabbit mAb

Catalog No: #13364

Package Size: #13364-1 50ul #13364-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

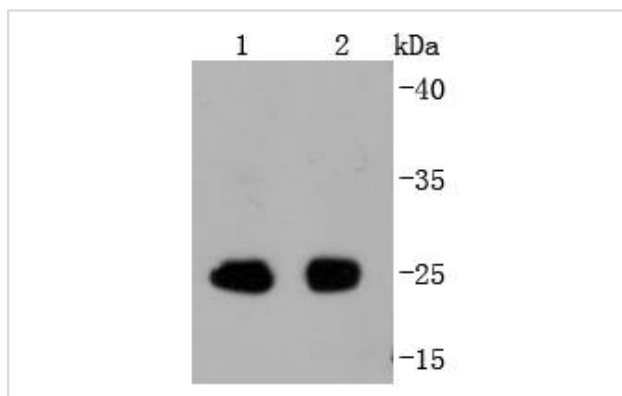
Description

Product Name	Phospho-eIF4E (S209) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SU0396
Purification	ProA affinity purified
Applications	WB, ICC, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser209 of human eIF4E.
Other Names	AUTS19 antibody CBP antibody eIF 4E antibody eIF 4F 25 kDa subunit antibody EIF 4F antibody eIF-4E antibody eIF-4F 25 kDa subunit antibody eIF4E antibody EIF4E1 antibody EIF4EL1 antibody EIF4F antibody Eukaryotic translation initiation factor 4 E antibody Eukaryotic translation initiation factor 4E antibody Eukaryotic translation initiation factor 4E like 1 antibody IF4E_HUMAN antibody Messenger RNA Cap Binding Protein eIF 4E antibody MGC111573 antibody mRNA cap binding protein antibody mRNA cap-binding protein antibody
Accession No.	Swiss-Prot#:P06730
Uniprot	P06730
GenelD	1977;
Calculated MW	25 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

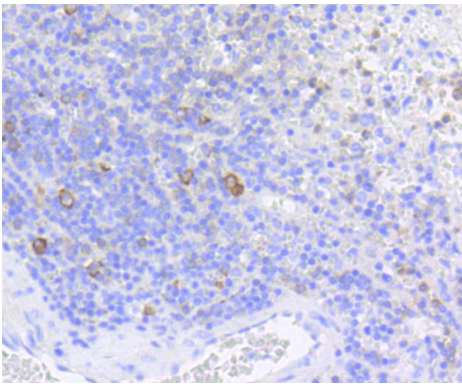
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200ICC: 1:50-1:200

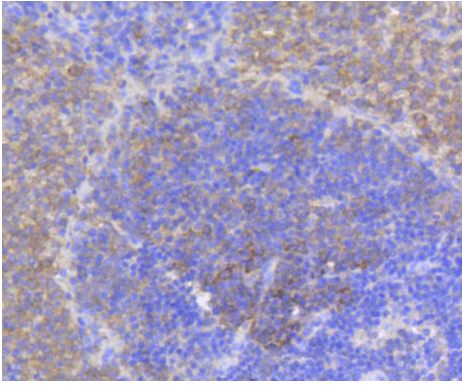
Images



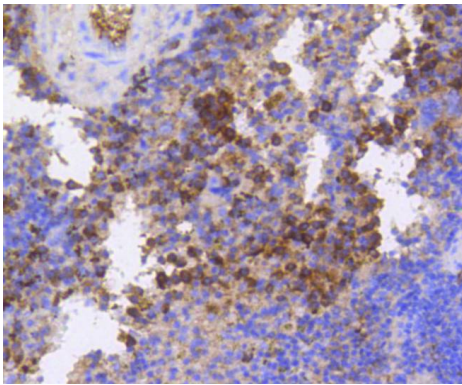
Western blot analysis of Phospho-eIF4E(S209) on different lysates using anti-Phospho-eIF4E(S209) antibody at 1/1,000 dilution. Positive control:
 Lane 1: Mouse spleen
 Lane 2: Rat spleen



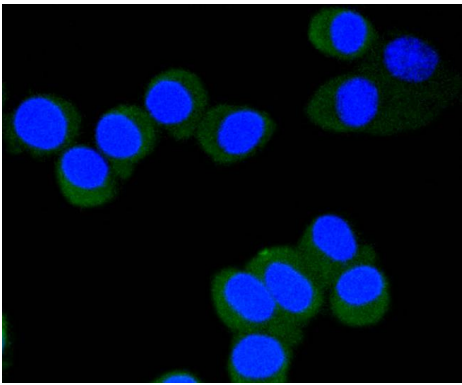
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Phospho-eIF4E(S209) antibody. Counter stained with hematoxylin.



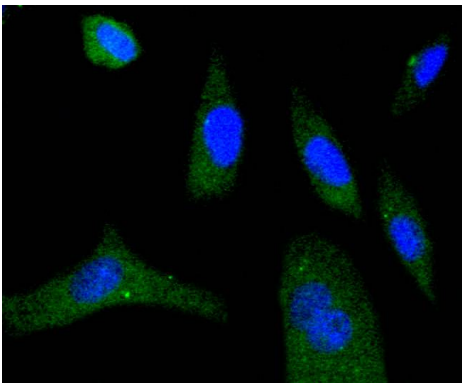
Immunohistochemical analysis of paraffin-embedded rat spleen tissue using anti-Phospho-eIF4E(S209) antibody. Counter stained with hematoxylin.



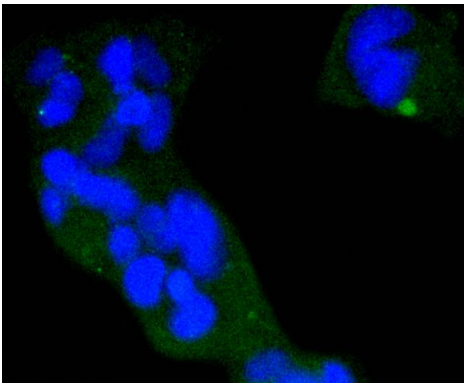
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-Phospho-eIF4E(S209) antibody. Counter stained with hematoxylin.



ICC staining Phospho-eIF4E(S209) in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Phospho-eIF4E(S209) in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Phospho-eIF4E(S209) in 293 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

The initiation of protein synthesis in eukaryotic cells is regulated by interactions between protein initiation factors and RNA molecules. The eukaryotic initiation complex eIF4F exists in vitro as a trimeric complex of eIF4E, eIF4A and eIF4G. Together, the complex allows ribosome binding to mRNA by inducing the unwinding of mRNA secondary structures. eIF4E binds to the mRNA "cap" during an early step in the initiation of protein synthesis. eIF4A acts as an ATP-dependent RNA helicase. eIF4G acts as a bridge between eIF4E, eIF4A and the eIF3 complex.

References

Note: This product is for in vitro research use only