ARG58959
anti-eEF2k antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eEF2k
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eEF2k
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 406-725 of Human eEF2k (NP_037434.1).
Conjugation	Un-conjugated
Alternate Names	C86191; Calcium/calmodulin dependent eukaryotic elongation factor 2; Calcium/calmodulin dependent eukaryotic elongation factor 2 kinase; Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase; Calmodulin dependent protein kinase III; cb365; EC 2.7.11.20; eEF 2 kinase; eEF 2K; eEF-2 kinase; eEF-2K; Eef2k; EEF2K; EF2K; Elongation factor 2 kinase; Eukaryotic elongation factor 2 kinase; fa04b08; HSU93850; kinase eEF2K; MGC45041; SMEF2K

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	293T
Observed Size	110 kDa

Properties

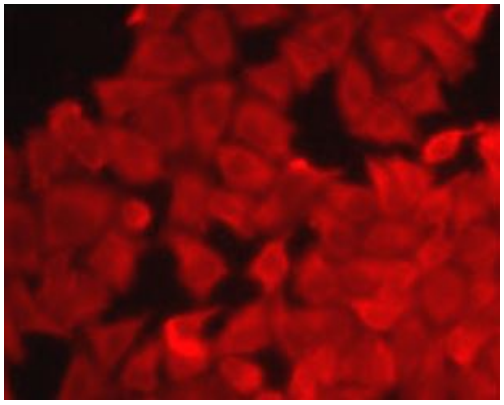
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

	cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

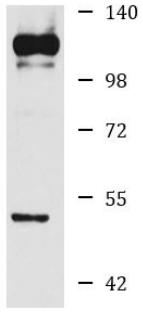
Gene Symbol	EEF2K
Gene Full Name	Eukaryotic elongation factor 2 kinase
Function	Threonine kinase that regulates protein synthesis by controlling the rate of peptide chain elongation. Upon activation by a variety of upstream kinases including AMPK or TRPM7, phosphorylates the elongation factor EEF2 at a single site, renders it unable to bind ribosomes and thus inactive. In turn, the rate of protein synthesis is reduced.
Calculated Mw	82 kDa

Images



ARG58959 anti-eEF2k antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG58959 anti-eEF2k antibody.



ARG58959 anti-eEF2k antibody WB image

Western blot: 25 µg of 293T cell lysate stained with ARG58959 anti-eEF2k antibody at 1:1000 dilution.