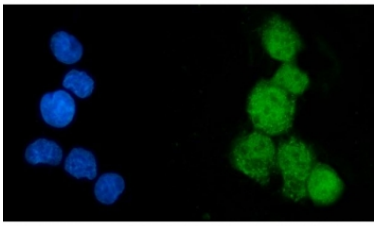
EEF2K Antibody / Eukaryotic elongation factor 2 kinase (RQ6701)

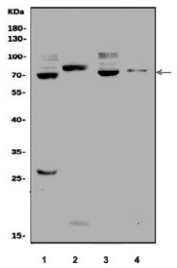
Catalog No.	Formulation	Size
RQ6701	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O00418
Localization	Cytoplasmic, nuclear
Applications	Western blot: 1-2ug/ml Immunofluorescence (FFPE): 5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This EEF2K antibody is available for research use only.



Immunofluorescent staining of FFPE human HepG2 cells with EEF2K antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human PC-3, 2) human U-87 MG, 3) human HepG2 and 4) rat C6 cell lysate with EEF2K antibody. Predicted molecular weight ~82 kDa.

Description

Eukaryotic elongation factor-2 kinase (eEF-2 kinase or eEF-2K), also known as calmodulin-dependent protein kinase III (CAMKIII) and calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase, is an enzyme that in humans is encoded by the EEF2K gene. This gene encodes a highly conserved protein kinase in the calmodulin-mediated signaling pathway that links activation of cell surface receptors to cell division. This kinase is involved in the regulation of protein synthesis. It phosphorylates eukaryotic elongation factor 2 (EEF2) and thus inhibits the EEF2 function. The activity of this kinase is increased in many cancers and may be a valid target for anti-cancer treatment.

Application Notes

Optimal dilution of the EEF2K antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K162-A719) was used as the immunogen for the EEF2K antibody.

Storage

After reconstitution, the EEF2K antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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