

Datasheet for ABIN2812679

**anti-EEF2K antibody (pSer359) (AbBy Fluor® 594)**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	EEF2K
Binding Specificity:	pSer359
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EEF2K antibody is conjugated to AbBy Fluor® 594
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human EEF2k around the phosphorylation site of Ser359
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Sheep, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	EEF2K
Alternative Name:	EEF2k ( <a href="#">EEF2K Products</a> )

## Target Details

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**Background:** Synonyms: EEF2K phospho S359, p-EEF2K phospho S359, Calcium/calmodulin dependent eukaryotic elongation factor 2, Calcium/calmodulin dependent eukaryotic elongation factor 2 kinase, Calmodulin dependent protein kinase III, cb365, eEF 2 kinase, eEF 2K, EEF2K protein, Elongation factor 2 kinase, Eukaryotic elongation factor 2 kinase, kinase eEF2K, SMEF2K, EF2K\_HUMAN.

Background: Eukaryotic elongation factor 2 kinase (EEF2k) previously known as Ca<sup>2+</sup>/calmodulin dependent protein kinase III, is an abundant cytoplasmic protein highly specific for elongation factor 2 (eEF2). Phosphorylation of eEF2 by eEF2 kinase on specific threonine residues results in the inactivation of eEF-2 and in termination of mRNA translation. The activity of eEF2 kinase is not only dependent upon Ca<sup>2+</sup> ions, calmodulin (CaM) and insulin, but is also regulated both negatively and positively via phosphorylation by different protein kinases (AMPK, S6K1, p90 RSK). There is also evidence that eEF-2 phosphorylation is involved in the regulation of cell cycle progression, cellular differentiation, oogenesis and malignant tumors.

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**Gene ID:** 29904

**Pathways:** [AMPK Signaling](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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## Handling

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months