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Datasheet for ABIN1700532

**anti-EEF2K antibody (pSer359) (Biotin)**

## Overview

Quantity:	100 µL
Target:	EEF2K
Binding Specificity:	pSer359
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EEF2K antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## 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

Background:	<p>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.</p> <p>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.</p>
Gene ID:	29904
Pathways:	<a href="#">AMPK Signaling</a>

## Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

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Storage Comment:                      Store at -20°C for 12 months.

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Expiry Date:                              12 months