

## eEF2K(Phospho Ser366) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP00560
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human eEF2K around the phosphorylation site of Ser366. AA range:331-380
<b>Mol wt</b>	82172
<b>Species reactivity</b>	Human, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Eukaryotic elongation factor 2 kinase
<b>Synonyms</b>	Eukaryotic elongation factor 2 kinase; EEF2K; Eukaryotic elongation factor 2 kinase; eEF-2 kinase; eEF-2K; Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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.

### Recommended Dilution

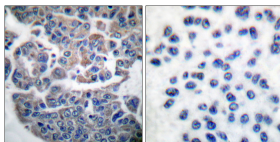
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

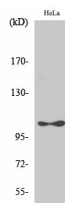
ELISA: 1: 40000

Not yet tested in other applications.

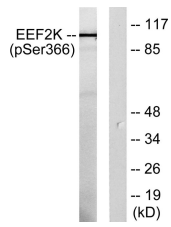
### Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using eEF2K (Phospho-Ser366) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-eEF2K (S366) Polyclonal Antibody diluted at 1:1000



### Storage

-20°C for 1 year

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