

eEF2K Polyclonal Antibody

Catalog # AP69657

Product Information

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|--------------------------|------------------------|
| Application | WB, IHC-P |
| Primary Accession | O00418 |
| Reactivity | Human, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 82144 |

Additional Information

| | |
|---------------------------|---|
| Gene ID | 29904 |
| Other Names | EEF2K; Eukaryotic elongation factor 2 kinase; eEF-2 kinase; eEF-2K; Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase |
| Dilution | WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A |
| Format | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| Storage Conditions | -20°C |

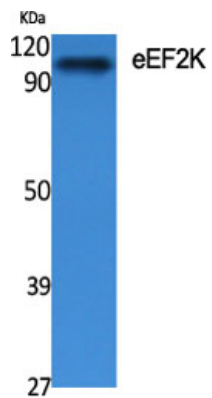
Protein Information

| | |
|-----------------|--|
| Name | EEF2K |
| 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. |

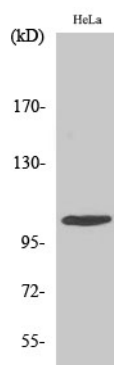
Background

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.

Images



Western Blot analysis of various cells using eEF2K
Polyclonal Antibody diluted at 1 : 500



Western Blot analysis of HeLa cells using eEF2K Polyclonal
Antibody diluted at 1 : 500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.