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KD-Validated Anti-EEF2K Rabbit Polyclonal Antibody

Rabbit polyclonal antibody
Catalog # AGI1776

Specification

KD-Validated Anti-EEF2K Rabbit Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	O00418
Reactivity	**Rat, Human**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 82 kDa , observed , 105 kDa KDa**
Gene Name	**EEF2K**
Aliases	**EEF2K; Eukaryotic Elongation Factor 2 Kinase; EEF-2K; CaMKIII; EEF-2 Kinase; EC 2.7.11.20; Calcium/Calmodulin-Dependent Eukaryotic Elongation Factor-2 Kinase; Calcium/Calmodulin-Dependent Eukaryotic Elongation Factor 2 Kinase; Calmodulin-Dependent Protein Kinase III; Eukaroytic Elongation Factor 2 Kinase; Elongation Factor-2 Kinase; Alternative Protein EEF2K; EC 2.7.11; HSU93850**
Immunogen	**A synthesized peptide derived from human EEF2K**

KD-Validated Anti-EEF2K Rabbit Polyclonal Antibody - Additional Information

Gene ID	**29904**

Other Names
Eukaryotic elongation factor 2 kinase, eEF-2 kinase, eEF-2K, 2.7.11.20, Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase, EEF2K

KD-Validated Anti-EEF2K Rabbit Polyclonal Antibody - 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.

KD-Validated Anti-EEF2K Rabbit Polyclonal Antibody - Protocols

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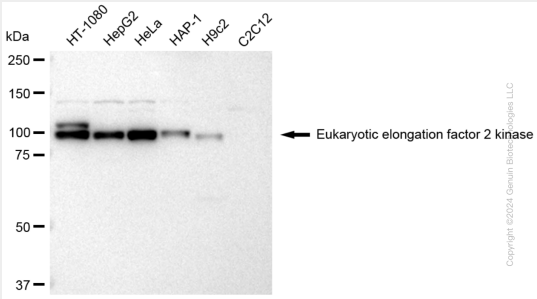
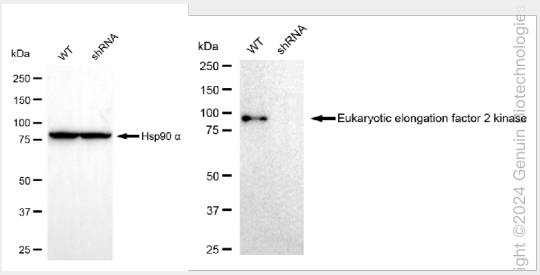
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-EEF2K Rabbit Polyclonal Antibody - Images



Western blotting analysis using anti-Eukaryotic elongation factor 2 kinase antibody (Cat#AGI1776). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Eukaryotic elongation factor 2 kinase antibody (Cat#AGI1776, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Eukaryotic elongation factor 2 kinase antibody (Cat#AGI1776). Eukaryotic elongation factor 2 kinase expression in wild type (WT) and Eukaryotic elongation factor 2 kinase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Eukaryotic elongation factor 2 kinase antibody (Cat#AGI1776, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.