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PRODUCT DATASHEET

Anti-eEF2K (C-terminus) Antibody

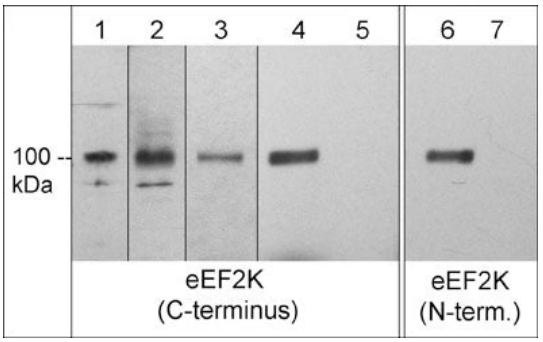
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Product Details

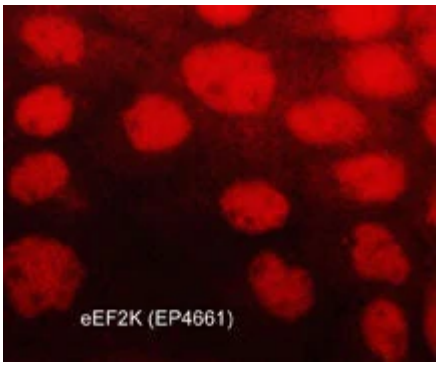
Available Variants	100 µL (SKU:EP4661)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	EEF2K
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:200 IP: 1:100
Species Reactivity	Chicken, Frog, Human, Mouse, Rat
Immunogen	eEF2K (C-terminus) synthetic peptide (coupled to carrier protein) corresponds to amino acids in the C-terminal region of human eEF2K. This sequence is well conserved in rat, mouse, chicken, and fish eEF2K, and has low homology to other proteins.
Specificity	The antibody detects a 105 kDa* protein corresponding to the molecular mass of eEF2K on SDS-PAGE immunoblots of human A431, HeLa, and Jurkat cells. The antibody also detected eEF2K in immunoprecipitations in HeLa cells and immunofluorescent labeling in A431 cells.
Molecular Weight	105
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

	-20°C.
UniProt ID	O00418 UniProt Summary: 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.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	29904

Product Images



Western blot image of eEF2K in human A431 (lane 1), Jurkat (lane 2), and HeLa (lane 3) cells, and immunoprecipitation of eEF2K from HeLa cell lysate using anti-eEF2K (C-terminus) antibody (lanes 4 & 6). Negative control immunopreciptations with no antibody are shown in lane 5 and 7. The blots were probed with anit-eEF2K (C-terminus) (lanes 1-5) or with anti-eEF2K (N-terminal) antibody (lanes 6 & 7).



Immunocytochemical labeling of eEF2K in paraformaldehyde fixed and NP-40 permeabilized A431 cells. The cells were labeled with rabbit polyclonal anti-eEF2K (EP4661). The antibody was detected using goat anti-rabbit DyLight® 594.



Created on 21. November 2026 | All information without guarantee