www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-eEF1A2 (Ser358) Antibody

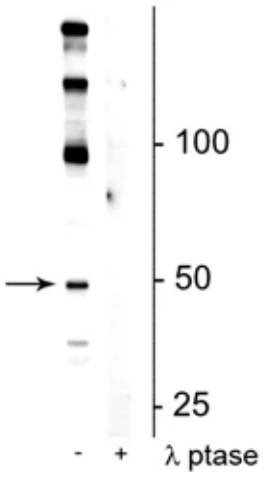
phosphosolutions ANTIBODIES THAT WORK Pooled Serum

Product Details

Available Variants	100 µL (SKU:p153-358) 25 µL (SKU:p153-358t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	EEF1A2
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000 WB Brain: 1:1000
Species Reactivity	Human, Mouse
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser358 of human eEF1A2, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~50 kDa eEF1A2 phosphorylated at Ser358. Immunolabeling is completely eliminated by treatment with λ-phosphatase.
Molecular Weight	50 kDa
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.
Antibody Registry ID	AB_2492084
UniProt ID	Q05639 UniProt Summary: Translation elongation factor that catalyzes the GTP-dependent binding of aminoacyl-tRNA (aa-tRNA) to the A-site of ribosomes during the elongation phase of protein synthesis. Base pairing between the mRNA codon and the aa-tRNA anticodon promotes GTP hydrolysis, releasing the aa-tRNA from EEF1A1 and allowing its accommodation into the ribosome (By similarity). The growing protein chain is subsequently transferred from the P-site peptidyl tRNA to the A-site aa-tRNA, extending it by one amino acid through ribosome-catalyzed peptide bond formation (By similarity). {ECO:0000250|UniProtKB:P68104, ECO:0000250|UniProtKB:Q71V39}.
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.
Expected Reactivity	Chicken, Non-Human Primate, Rat, Sheep, Xenopus
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser358
NCBI Gene ID	1917

Product Images



Western blot of mouse hippocampal lysate showing specific immunolabeling of the ~50 kDa eEF1A2 protein phosphorylated at Ser358 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (λ-Ptase, 800 units/1mg protein for 30 min).



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