

ARG52271 anti-eEF1A2 phospho (Ser358) antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eEF1A2 phospho (Ser358)
Tested Reactivity	Ms
Predict Reactivity	Hu, Rat, Chk, NHuPrm, Sheep, Xenopus laevis
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eEF1A2
Species	Human
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser358 conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	EF1A; Eukaryotic elongation factor 1 A-2; eEF1A-2; Elongation factor 1-alpha 2; STN; EIEE33; STNL; Statin-S1; HS1; EEf1AL; EF-1-alpha-2; MRD38

Application Instructions

Application table	Application	Dilution
	WB	1:1,000
Application Note	<p>Specific for the ~50k eEF1A2 phosphorylated at Ser358. Immunolabeling of the eEF1A2 band is blocked by the treatment of the lysate with lambda phosphatase (30 minutes, 800 units / 1 mg protein).</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

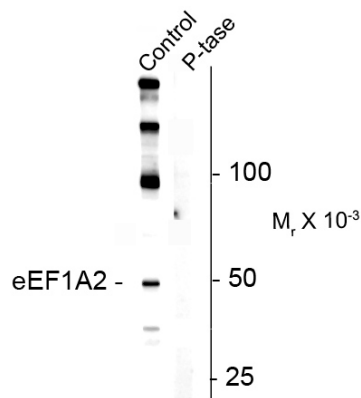
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 13628 Mouse Swiss-port # P62631 Mouse
Gene Symbol	EEF1A2
Gene Full Name	eukaryotic translation elongation factor 1 alpha 2
Background	Eukaryotic Elongation Factor eEF1A exists in two variant forms, eEF1A1 and eEF1A2. While eEF1A1 is almost ubiquitously expressed in humans, eEF1A2 is predominantly found in heart, brain, and skeletal muscle (Knudsen et al., 1993). Expression of eEF1A2 may have a role in ovarian cancer, as its expression is drastically increased in human ovarian tumors (Anand et al., 2002). Due to differences in structural models between the two isoforms, eEF1A1 and eEF1A2 likely have variant-specific phosphorylation sites (Soares et al., 2009). Ribosome-associated JNK phosphorylates Ser358 on eEF1A2 to promote degradation of newly synthesized polypeptides by the proteasome (Gandin et al., 2013).
Research Area	Cancer antibody; Gene Regulation antibody
Calculated Mw	50 kDa
PTM	Trimethylated at Lys-165 by EEF1AKMT3.

Images



ARG52271 anti-eEF1A2 phospho (Ser358) antibody WB image

Western blot: Mouse hippocampus lysate showing specific immunolabeling of the ~ 50k eEF1A2 protein phosphorylated at Ser 358 stained with ARG52271 anti-eEF1A2 phospho (Ser358) antibody. Immunolabeling is blocked by treatment of the lysate with lambda phosphatase (P-tase).