

## ARG59715 anti-EIF2AK4 / GCN2 phospho (Thr899) antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes EIF2AK4 / GCN2 phospho (Thr899)
Tested Reactivity	Hu
Tested Application	WB
Specificity	Recognizes endogenous levels of EIF2AK4 / GCN2 phospho (Thr899) protein.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	EIF2AK4 / GCN2
Species	Human
Immunogen	Phosphospecific peptide around Thr899 of Human EIF2AK4 / GCN2.
Conjugation	Un-conjugated
Alternate Names	EC 2.7.11.1; GCN2; GCN2-like protein; PVOD2; Eukaryotic translation initiation factor 2-alpha kinase 4

### Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>WB</td><td>1:500 - 1:2000</td></tr></tbody></table>	Application	Dilution	WB	1:500 - 1:2000
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WB	1:500 - 1:2000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Observed Size	~ 250 kDa				

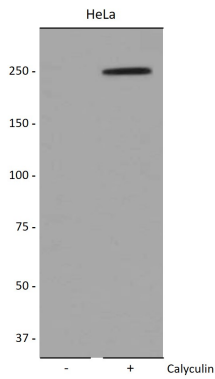
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	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

Gene Symbol	EIF2AK4
Gene Full Name	eukaryotic translation initiation factor 2 alpha kinase 4
Background	This gene encodes a member of a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 (EIF2), resulting in the downregulation of protein synthesis. The encoded protein responds to amino acid deprivation by binding uncharged transfer RNAs. It may also be activated by glucose deprivation and viral infection. Mutations in this gene have been found in individuals suffering from autosomal recessive pulmonary venoocclusive-disease-2. [provided by RefSeq, Mar 2014]
Function	Can phosphorylate the alpha subunit of EIF2 and may mediate translational control. [UniProt]
Calculated Mw	187 kDa
PTM	Autophosphorylated; autophosphorylation on Thr-899 is increased upon amino acid starvation and in UV irradiation cells and inhibited in presence of IMPACT. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

## Images



ARG59715 anti-EIF2AK4 / GCN2 phospho (Thr899) antibody WB image

Western blot: HeLa cells untreated (left) or treated with Calyculin (right). Cell lysates were stained with ARG59715 anti-EIF2AK4 / GCN2 phospho (Thr899) antibody.