

Rev03
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DATASHEET

p-eIF2A K2 (T446) Antibody, mAb, Rabbit

Cat. No.: A02665

Overview

Specificity	This product is specific to p-eIF2A K2 (T446)
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human eIF2A K2 around the phosphorylation site of T446
Species Reactivity	Human
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

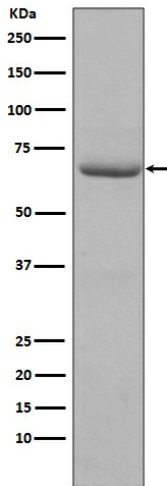
Application	Recommended Usage
Western Blot	1:1000-1:2000
Immunohistochemistry (IHC)	1:100-1:200
Immunoprecipitation (IP)	1:20-1:50
Chromatin immunoprecipitation (ChIP)	1:20-1:50

Properties

Form	Liquid
Storage Buffer	Supplied in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.
Purification	Affinity-chromatography

Isotype	Rabbit IgG
Clonality	Monoclonal

Examples



Western blot analysis of PKR phosphorylation expression in HeLa cell lysate treated with Calyculin A and TNF-alpha.

Background

Target Background : IFN-induced dsRNA-dependent serine/threonine-protein kinase that phosphorylates the alpha subunit of eukaryotic translation initiation factor 2 (EIF2S1/eIF-2-alpha) and plays a key role in the innate immune response to viral infection.

Synonyms : E2AK2;E2AK2; EIF2AK1; EIF2AK2; MGC126524; PKR p68 kinase; PKR; PRKR;

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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