

MaxPab®

EIF2AK4 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00440275-B01P

Size 500 ug

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human EIF2AK4 protein.

Immunogen

EIF2AK4 (AA46320.1, 1 a.a. ~ 1649 a.a) full-length human protein.

Sequence

MAGGRGAPGRGRDEPPESYPQRQDHELQALEAIYGADFQDLRPDACGPVKEPPEINLVLYPQGL
TGEEVYVKVDLRVKCPPTYPDVVPEIELKNAKGLSNESVNLLKSRLEELAKKHCGEVMIFELAYHV
QSFLSEHNKPPPKSFHEEMLERRAQEEQQRLLLEAKRKEEQEQREILHEIQRRKEEIKEEKKRKEM
AKQERLEIASLSNQDHTSKKDPGGHRTAAILHGGSPDFVGNKGHRANSSGRSRRERQYSVCNSE
DSPGSCEILYFNMGSPDQLMVHKGKCGSDEQLGKLVYNALETATGGFVLLYEWVLQWQKKMGP
FLTSQEKEKIDKCKKQQTETEFNSLVKLSHPNVVRYLAMNLKEQDDSVVDILVEHISGVSLAAH
LSHSGPIPVHQLRRYTAQLLSGLDYLHSNSVHVHKLVSASNVLVDAEGTVKITDYSISKRLADICKED
VFEQTRVRFSDNALPYKTGKKGDVWRLGLLLLSLQQQECGEYPVTIPSDLPADFDQFLKKCVC
LDDKERWSPQQLLKHSFINPQPKMPLVEQSPEDSEGQDYVETVIPSNRPLPSAAFFSETQRQFSR
YFIEFEELQLLGKGAFGAVIKVQNKLDGCCYAVKRIPINPASRQFRRIKGEVTLLSRLHHENIVRYYN
AWIERHERPAGPGTPPPDSGPLAKDDRAARGQPASDTDGLDSVEAAAPPPILSSSVIEWSTSGE
RSASARFPATGPGSSDDEDDDEDEHGGVFSQSFLPASDSESDIIFDNEDENSKSQNQDEDCNE
KNGCHESEPSVTTEAVHYLYQMEYCEKSTLRDITDQGLYRDTVRLWRLFREILDGLAYIHEKGMH
RDLKPVNIFLDSDDHVKIGDFGLATDHLAFSADSKQDDQTGDLIKSDPSGHLTGMVGTALYVSPE
VQGSTKSAYNQKVDLFSLGIIFFEMSYHPMVTASERIFVLNQLRDPSTPKFPEDFDDGEHAKQKS
VISWLLNHDPAPKRPTATELLKSELLPPPQMEESSELHEVLHHTLTNVDGKAYRTMMAQIFSQRISPAI
DYTYDSDILKGNFSIRTAKMQQHVCETIIRIFKRHGAVQLCTPLLLPRNRQIYEHNEAALFMDHSGML
VMLPFDLRIPFARYVARNNILNLKRYCIERVFRPRKLDRFHPKELLECAFDVITSTTNSFLPTAEIITY
EIIQEFPALQERNYSYLNHTMLLKAILLHCGIPEDKLSQVYIILYDAVTEKLTREVEAKFCNLSLSSN
SLCRLYKFIEQKQDLQDLMPITNSLIKQKTGIAQLVKYGLKDLEEVVGLLKKLGIKLQVLINLGLVYKV
QQHNGIIFQVAFIKRRQRAVPEILAAGGRYDLLIPQFRGPQALGPVPTAIGVSIADKISA AVLNMEE
SVTISSCDLLVSVGQMSMSRAINLTQKLWTAGITAEIMYDWSQSQEELQEYCRHHEITYVALVSD
KEGSHVKVKSFEKERQTEKRVLETTELVDHVLQKLRTKVTDERNGREASDNLAVQNLKGSFSNAS
GLFEIHGATVVPVSVLAPEKLSASTRRRYETQVQTRLQTSANLHQKSSEIEILAVDLPKETILQFLS
LEWDADEQAFNTTVKQLLSRLPKQRYLKLVCDEIMNIKVEKKVSVLFLYSYRDDYYRILF

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (90); Rat (90)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — EIF2AK4

Entrez GeneID[440275](#)**GeneBank Accession#**[BC146319.1](#)**Protein Accession#**[AA46320.1](#)**Gene Name**

EIF2AK4

Gene Alias

GCN2, KIAA1338

Gene Description

eukaryotic translation initiation factor 2 alpha kinase 4

Omim ID[609280](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

EIF2AK4 belongs to a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 (EIF2S1; MIM 603907) to downregulate protein synthesis in response to varied cellular stresses (Berlanga et al., 1999 [PubMed 10504407]).[supplied by OMIM]

Other Designations

GCN2 eIF2alpha kinase