



WB (Western Blot)
HeLa, Human brain

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2AK1 antibody	This is a rabbit polyclonal antibody against EIF2AK1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: EIF2AK1 acts at the level of translation initiation to downregulate protein synthesis in response to stress. The protein is a kinase that can be inactivated by hemin. Two transcript variants encoding different isoforms have been found for this gene. The HRI gene is localized to 7p22 where its 3' end slightly overlaps the 3' end of the gene JTV1. The two genes are transcribed from opposite strands. Studies in rat and rabbit suggest that the HRI gene product phosphorylates the alpha subunit of eukaryotic initiation factor 2. Its kinase activity is induced by low levels of heme and inhibited by the presence of heme. Sequence Note: The sequence AF181071.1 is a chimeric mRNA clone. Only the heme-regulated initiation factor 2-alpha kinase region was propagated into this RefSeq record.
Product Categories/Family for anti-EIF2AK1 antibody	Polyclonal; Drugs and Drug Metabolism; Various; Immunohistochemistry; Hepatitis C; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	11125768
NCBI GeneID	27102
NCBI Accession #	NP_055228
NCBI GenBank Nucleotide #	NM_014413
UniProt Accession #	Q9BQI3
Molecular Weight	71kDa
NCBI Official Full Name	eukaryotic translation initiation factor 2-alpha kinase 1 isoform a
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2 alpha kinase 1
NCBI Official Symbol	EIF2AK1
NCBI Official Synonym Symbols	HCR; HRI
NCBI Protein Information	eukaryotic translation initiation factor 2-alpha kinase 1
UniProt Protein Name	Eukaryotic translation initiation factor 2-alpha kinase 1
UniProt Gene Name	EIF2AK1
UniProt Synonym Gene Names	HRI; KIAA1369; HCR
UniProt Entry Name	E2AK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.