

EIF3K Antibody

Catalog No: #34680

Package Size: #34680-1 50ul #34680-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

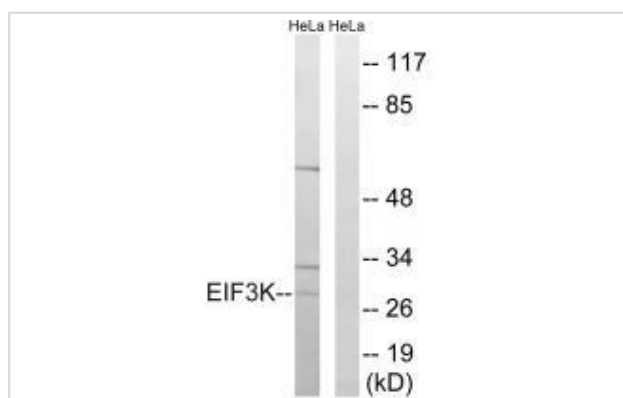
Description

Product Name	EIF3K Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total EIF3K protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human EIF3K.
Target Name	EIF3K
Other Names	Eukaryotic translation initiation factor 3 subunit KB&B~Eukaryotic translation initiation factor 3 subunit 12; eIF-3 p25; eIF-3 p28; eIF3k; Muscle-specific gene M9 protein
Accession No.	Swiss-Prot: Q9UBQ5NCBI Gene ID: 27335
Uniprot	Q9UBQ5
GeneID	27335;
SDS-PAGE MW	30kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from HeLa cells, using EIF3K antibody #34680.

Background

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAⁱ and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. HAMAP-Rule MF_03010

Mayeur G.L., Eur. J. Biochem. 270:4133-4139(2003).

Nawa G., Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.

Ye M., Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.

Note: This product is for in vitro research use only