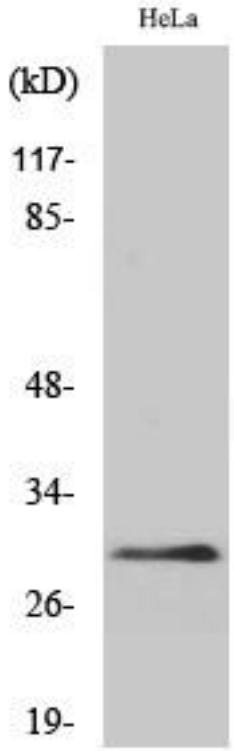
eIF3K Monoclonal Antibody

Catalog No	YP-mAb-03842
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	EIF3K
Protein Name	Eukaryotic translation initiation factor 3 subunit K
Immunogen	The antiserum was produced against synthesized peptide derived from human EIF3K. AA range:61-110
Specificity	eIF3K Monoclonal Antibody detects endogenous levels of eIF3K protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EIF3K; EIF3S12; ARG134; HSPC029; MSTP001; PTD001; Eukaryotic translation initiation factor 3 subunit K; eIF3k; Eukaryotic translation initiation factor 3 subunit 12; Muscle-specific gene M9 protein; PLAC-24; eIF-3 p25; eIF-3 p28
Observed Band	30kD
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	Ubiquitous, with the highest levels of expression in brain, testis and kidney.
Function	function: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 postermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.,mass spectrometry: PubMed:17322308,mass spectrometry: PubMed:18599441,PTM:The N-terminus is blocked.,similarity:Belongs to the eIF-3 subunit K family.,subunit:Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, wh

Background	The 700-kD eukaryotic translation initiation factor-3 (eIF3) is the largest eIF and contains at least 12 subunits, including EIF2S12. eIF3 plays an essential role in translation by binding directly to the 40S ribosomal subunit and promoting formation of the 40S preinitiation complex (Mayeur et al., 2003 [PubMed 14519125]).[supplied by OMIM, Mar 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using eIF3K Monoclonal Antibody