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Anti-EIF3K Antibody

Rabbit polyclonal antibody to EIF3K

Catalog # AP60454

Specification

Anti-EIF3K Antibody - Product Information

Application	**WB**
Primary Accession	Q9UBQ5
Other Accession	Q9DBZ5
Reactivity	**Human, Mouse, Rat, Rabbit, Monkey, Pig, Bovine, SARS, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**25060**

Anti-EIF3K Antibody - Additional Information

Gene ID 27335

Other Names
EIF3S12; 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

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF3K. The exact sequence is proprietary.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-EIF3K Antibody - Protein Information

Name EIF3K {ECO:0000255|HAMAP-Rule:MF_03010}

Function
Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773, PubMed:27462815). 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 pre-initiation 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 (PubMed:17581632). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773).

Cellular Location
Nucleus {ECO:0000255|HAMAP-Rule:MF_03010, ECO:0000269|PubMed:15327989}. Cytoplasm {ECO:0000255|HAMAP- Rule:MF_03010, ECO:0000269|PubMed:15327989}

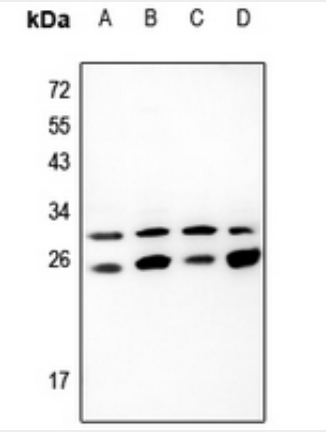
Tissue Location
Ubiquitous, with the highest levels of expression in brain, testis and kidney.

Anti-EIF3K Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-EIF3K Antibody - Images



Western blot analysis of EIF3K expression in MCF7 (A), C6 (B), mouse testis (C), HEK293T (D) whole cell lysates.

Anti-EIF3K Antibody - Background

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