

AP51398PU-N**Polyclonal Antibody to EIF3K / EIF3S12 (C-term) - Aff - Purified**

Alternate names:	Eukaryotic translation initiation factor 3 subunit 12, Eukaryotic translation initiation factor 3 subunit K, Muscle-specific gene M9 protein, PLAC-24, eIF-3 p25, eIF-3 p28
Quantity:	0.4 ml
Concentration:	lot specific
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]).
Uniprot ID:	Q9UBQ5
NCBI:	NP_037366
GeneID:	27335
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 175-204 amino acids from the C-terminal region of human EIF3K
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography on Protein A Buffer System: PBS Preservatives: 0.09% (W/V) sodium azide
Applications:	ELISA: 1/1000. Western Blot: 1/100 - 1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	25060 Da
Specificity:	This antibody reacts to EIF3K.
Species Reactivity:	Tested: Human.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Product Citations:	Purchased from Acris: 1. Zhou M, Sandercock AM, Fraser CS, Ridlova G, Stephens E, Schenauer MR, et al. Mass spectrometry reveals modularity and a complete subunit interaction map of the eukaryotic translation factor eIF3. Proc Natl Acad Sci U S A. 2008 Nov 25;105(47):18139-44. doi: 10.1073/pnas.0801313105. Epub 2008 Jul 1. PubMed PMID: 18599441. 2. Lin YM, Chen YR, Lin JR, Wang WJ, Inoko A, Inagaki M, et al. eIF3k regulates apoptosis in epithelial cells by releasing caspase 3 from keratin-containing inclusions. J Cell Sci. 2008 Jul 15;121(Pt 14):2382-93. doi: 10.1242/jcs.021394. Epub

2008 Jun 24. PubMed PMID: 18577580.

3. Masutani M, Sonenberg N, Yokoyama S, Imataka H. Reconstitution reveals the functional core of mammalian eIF3. EMBO J. 2007 Jul 25;26(14):3373-83. Epub 2007 Jun 21. PubMed PMID: 17581632.

4. Damoc E, Fraser CS, Zhou M, Videler H, Mayeur GL, Hershey JW, et al. Structural characterization of the human eukaryotic initiation factor 3 protein complex by mass spectrometry. Mol Cell Proteomics. 2007 Jul;6(7):1135-46. Epub 2007 Feb 23. PubMed PMID: 17322308.

5. Ewing RM, Chu P, Elisma F, Li H, Taylor P, Climie S, et al. Large-scale mapping of human protein-protein interactions by mass spectrometry. Mol Syst Biol. 2007;3:89. Epub 2007 Mar 13. PubMed PMID: 17353931.

Pictures:

EIF3K Antibody (C-term) (Cat. #AP51398PU-N) western blot analysis in T47D cell line lysates (35µg/lane). This demonstrates the EIF3K antibody detected the EIF3K protein (arrow).

