

Product Datasheet

eIF3K Antibody NB100-93304

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 7

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NB100-93304

eIF3K Antibody

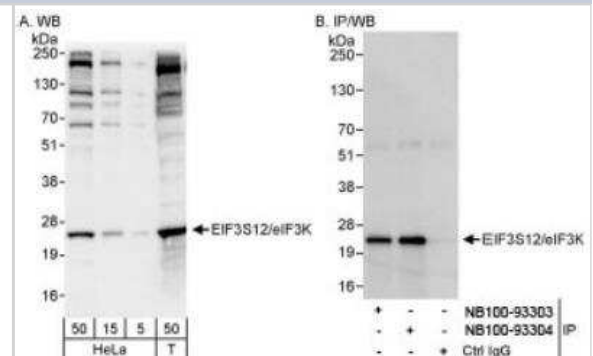
Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

Product Description	
Description	Novus Biologicals Rabbit eIF3K Antibody (NB100-93304) is a polyclonal antibody validated for use in WB and IP. Anti-eIF3K Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	27335
Gene Symbol	EIF3K
Species	Human, Chinese Hamster
Reactivity Notes	Chinese Hamster reactivity reported in scientific literature (PMID:32839273).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 168 and 218 of human eukaryotic translation initiation factor 3, subunit K (eukaryotic translation initiation factor 3, subunit 12) using the numbering given in entry NP_037366.1 (

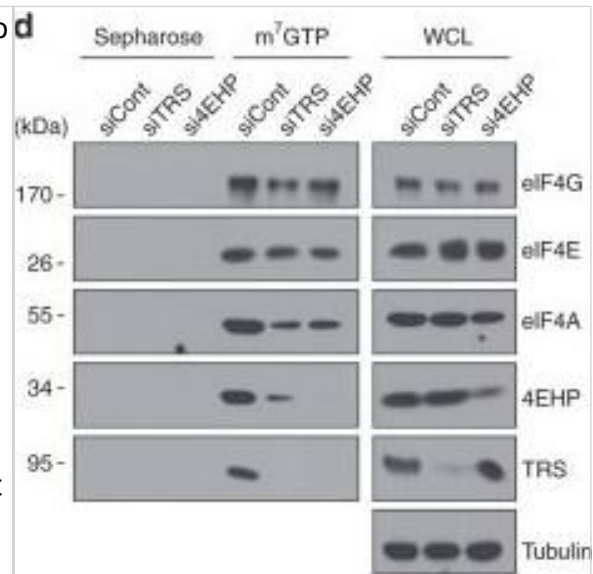
Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2-5 ug/mg lysate

Images

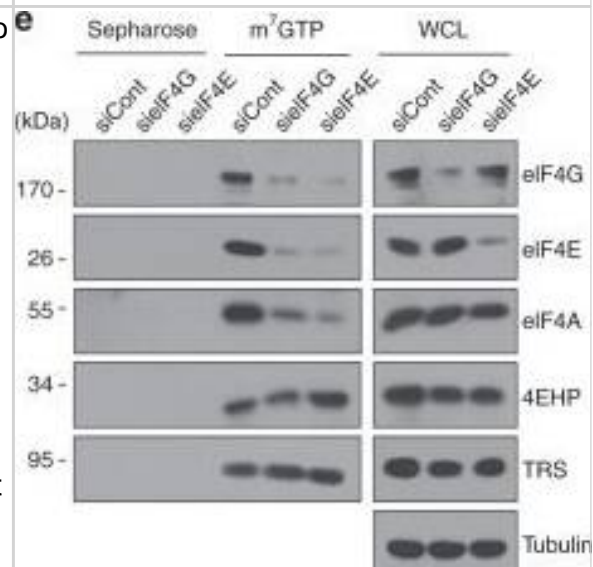
Western Blot: eIF3K Antibody [NB100-93304] - Detection of Human eIF3K/EIF3S12 on HeLa whole cell lysate using NB100-93304. eIF3K/EIF3S12 was also immunoprecipitated by rabbit anti-eIF3K/EIF3S12 antibody NB100-93303.



Western Blot: eIF3K Antibody [NB100-93304] - TRS functions similarly to eIF4G & acts as an eIF4F analog. a Pull-down assay of co-expressed TRS-Strep with eIF4A- or eIF4G-FLAG in 293 T cells. TRS-Strep was pulled down with Strep-Tactin beads, & co-precipitation of eIF4A or 4 G was determined by immunoblotting with anti-FLAG antibody. EV, empty vector. * indicates a nonspecific band. b Immunoassay of the co-expression of different combinations of plasmids in 293T cells. Myc-TRS was immunoprecipitated with anti-Myc antibody, & co-precipitation of other proteins was determined using tag-specific antibodies. c Immunoassay of co-expressed eIF4A-FLAG with GST-fused full-length TRS or its various domains in 293T cells. eIF4A-FLAG was immunoprecipitated with anti-FLAG antibody, & co-precipitated TRS proteins were determined by immunoblotting with anti-GST antibody. d Pull-down assay of endogenous translation initiation factors with m⁷GTP-Sepharose beads in 293 T cells transfected with siRNAs against TRS, 4EHP, or a non-targeting control (siCont). Cap-bound proteins were eluted from beads & immunoblotted with the indicated antibodies. Sepharose beads were used as a negative control. e Pull-down assay of endogenous translation initiation factors with m⁷GTP-Sepharose beads in 293T cells transfected with siRNAs against eIF4G, eIF4E, or siCont, & their suppression effects on cap-binding of other components, were determined as in (d). The data are representative of at least three experiments, each with similar results Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30902983>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: eIF3K Antibody [NB100-93304] - TRS functions similarly to eIF4G & acts as an eIF4F analog. a Pull-down assay of co-expressed TRS-Strep with eIF4A- or eIF4G-FLAG in 293 T cells. TRS-Strep was pulled down with Strep-Tactin beads, & co-precipitation of eIF4A or 4 G was determined by immunoblotting with anti-FLAG antibody. EV, empty vector. * indicates a nonspecific band. b Immunoassay of the co-expression of different combinations of plasmids in 293T cells. Myc-TRS was immunoprecipitated with anti-Myc antibody, & co-precipitation of other proteins was determined using tag-specific antibodies. c Immunoassay of co-expressed eIF4A-FLAG with GST-fused full-length TRS or its various domains in 293T cells. eIF4A-FLAG was immunoprecipitated with anti-FLAG antibody, & co-precipitated TRS proteins were determined by immunoblotting with anti-GST antibody. d Pull-down assay of endogenous translation initiation factors with m⁷GTP-Sepharose beads in 293 T cells transfected with siRNAs against TRS, 4EHP, or a non-targeting control (siCont). Cap-bound proteins were eluted from beads & immunoblotted with the indicated antibodies. Sepharose beads were used as a negative control. e Pull-down assay of endogenous translation initiation factors with m⁷GTP-Sepharose beads in 293T cells transfected with siRNAs against eIF4G, eIF4E, or siCont, & their suppression effects on cap-binding of other components, were determined as in (d). The data are representative of at least three experiments, each with similar results Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30902983>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Duan H, Zhang S, Zarai Y et al. eIF3 mRNA selectivity profiling reveals eIF3k as a cancer-relevant regulator of ribosome content *The EMBO Journal* 2023-06-15 [PMID: 37155573] (Human)

Hassan Hayek, Lauriane Gross, Aurélie Janvier, Laure Schaeffer, Franck Martin, Gilbert Eriani, Christine Allmang eIF3 interacts with histone H4 messenger RNA to regulate its translation *The Journal of Biological Chemistry* 2021-03-23 [PMID: 33766559]

Lee Y, Kim J, Kim MS et al. Coordinate regulation of the senescent state by selective autophagy *Developmental cell* 2021-04-27 [PMID: 33915088]

Nakazawa K, Shichino Y, Iwasaki S, Shiina N Implications of RNG140 (caprin2)-mediated translational regulation in eye lens differentiation *J. Biol. Chem.* 2020-08-23 [PMID: 32839273] (WB, Chinese Hamster)

Jeong SJ, Park S, Nguyen LT et al. A threonyl-tRNA synthetase-mediated translation initiation machinery *Nat Commun* 2019-03-22 [PMID: 30902983] (WB, Human)

Salsman J, Pinder J, Tse B et al. The translation initiation factor 3 subunit eIF3K interacts with PML and associates with PML nuclear bodies. *Exp Cell Res* 2013-10-15 [PMID: 24036361] (Human)

Lee AS, Kranzusch PJ, Cate JH. eIF3 targets cell-proliferation messenger RNAs for translational activation or repression *Nature* 2015-04-06 [PMID: 25849773] (WB, Human)





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Products Related to NB100-93304

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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