

# Product Datasheet

## eIF4ENIF1 Antibody - Azide and BSA Free H00056478-B01P

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00056478-B01P**

eIF4ENIF1 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH 7.4)

Product Description	
Description	Novus Biologicals Mouse eIF4ENIF1 Antibody - Azide and BSA Free (H00056478-B01P) is a polyclonal antibody validated for use in WB, Dual RNAscope ISH-IHC, ICC/IF and IP. Anti-eIF4ENIF1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	56478
Gene Symbol	EIF4ENIF1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 29395907).
Specificity/Sensitivity	Reacts with eukaryotic translation initiation factor 4E nuclear import factor 1.
Immunogen	EIF4ENIF1 (AAH33028.1, 1 a.a. - 985 a.a.) full-length human protein. MDRRSMGETESGDAFLDLKKPPASKCPHRYTKEELLDIKELPHSKQRPSCLSE KYDSDGVWDPEKWHASLYPASGRSSPVESLKKELDTDRPSLVRRIVDPRERV KEDDLDVVLSPQRRSFGGGCHVTAAVSSRRSGSPLEKDSGLRLLGGRRIGS GRIISARTFEKDHRLSDKDLRDLRDRERDFKDKRFRREFGDSKRVFGERRR NDSYTEEEPEWFSAGPTSQSETIELTGFDDKILEEDHKGRKRTRRRRTASVKEGI VECNGGVAEEDEVEVILAQEPAADQEVPRDAVLPEQSPGDFDFNEFFNLDKVP CLASMIEDVLGEGSVSASRFSRWFSNPSRSGSRSSSLGSTPHEELERLAGLEQ AILSPGQNSGNYFAPILEDHAENKVDILEMLQKAKVDLKPILLSLSANKEKLKE SSHSGVVLSVEEVEAGLKGLKVDQQVKNSTPFMAEHLEETLSAVTNNRQLKKD GDMTAFNKL VSTMKASGTLPSQPKVSRNLESHLMSPAEPGQPVKPNILQELL GQPVQRPASSNLLSGLMGSLEPTTSLLGQRAPSPPLSQVFQTRAASADYLRPR IPSPIGFTPQPQQLLGDPFQGMRKPMSPITAQMSQLELQQAALGLALPHDLAV QAANFYQPGFGKPQVDRTRDGFNRNRQQRVTKSPAPVHRGNSSSPAPAASITS MLSPSFTPTSVIRKMYESKEKSKEEPASGKAALGDSKEDTQKASEENLLSSSS VPSADRDSPTTNSKLSALQRSSCSTPLSQANRYTKEQDYRPKATGRKTPTLA SPVPTTTPFLRPVHQVPLVPHVPMVRPAHRLHPGLVQRMLAQGVHPQHLPSSL QTGVLPPGMDLSHLQGISGPIQGQPFYPLPAASHPLLNPRPGTPLHLAMVQQQ LQRSVLHPPGSGSHAAAVSVQTTQNVPSRSGPLPHMHSQLEHRPSQRSSSPV GLAKWFGSDVLQQPLPSMPAKVISVDELEYRQ
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

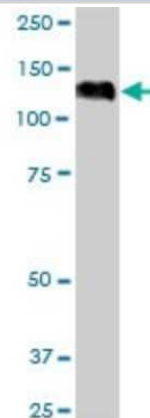
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Dual RNAscope ISH-IHC



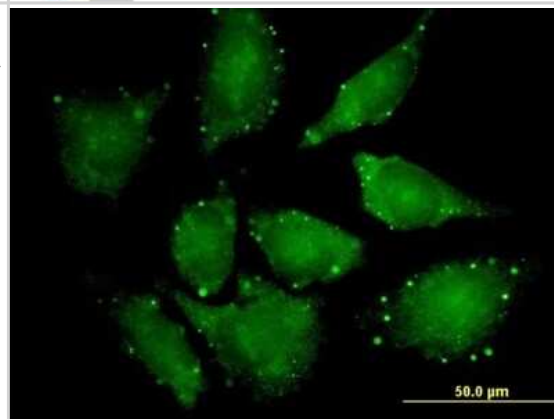
<b>Recommended Dilutions</b>	Western Blot 1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Dual RNAscope ISH-IHC
<b>Application Notes</b>	This antibody is reactive against cell and transfected lysate in western blot, immunofluorescence, and as a detection antibody in ELISA. Dual ISH-IHC validation (PMID: 29395907).

## Images

Western Blot: eIF4ENIF1 Antibody [H00056478-B01P] - Analysis of EIF4ENIF1 expression in Jurkat.



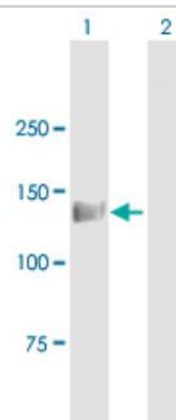
Immunocytochemistry/Immunofluorescence: eIF4ENIF1 Antibody [H00056478-B01P] - Analysis of purified antibody to EIF4ENIF1 on HeLa cell. (antibody concentration 10 ug/ml)



Western Blot: eIF4ENIF1 Antibody [H00056478-B01P] - Analysis of EIF4ENIF1 expression in Hela S3 NE.



Western Blot: eIF4ENIF1 Antibody [H00056478-B01P] - Analysis of EIF4ENIF1 expression in transfected 293T cell line by EIF4ENIF1 polyclonal antibody. Lane 1: EIF4ENIF1 transfected lysate(108.35 KDa). Lane 2: Non-transfected lysate.



## Publications

Zahr SK, Yang G, Kazan H,  
A Translational Repression Complex in Developing Mammalian Neural Stem Cells that Regulates Neuronal Specification. *Neuron*. 2018-02-07 [PMID: 29395907] (Dual ISH-IHC, Mouse)

Yang G, Smibert CA, Kaplan DR, Miller FD. An eIF4E1/4E-T Complex Determines the Genesis of Neurons from Precursors by Translationally Repressing a Proneurogenic Transcription Program *Neuron*. 2014-11-06 [PMID: 25456498]

Amadei G, Zander MA, Yang G et al. A Smaug2-Based Translational Repression Complex Determines the Balance between Precursor Maintenance versus Differentiation during Mammalian Neurogenesis. *J Neurosci*. 2015-11-25 [PMID: 26609159]





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### **Products Related to H00056478-B01P**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97019-5mg	Mouse IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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