

Product Datasheet

eIF4G1 Antibody - BSA Free

NB100-268

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-268

eIF4G1 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

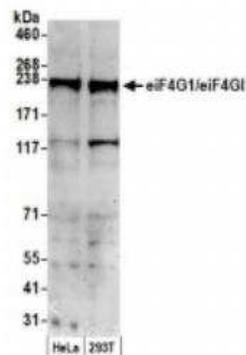
Product Description	
Host	Rabbit
Gene ID	1981
Gene Symbol	EIF4G1
Species	Human, Porcine
Reactivity Notes	Porcine reactivity reported in scientific literature (PMID: 22013195).
Immunogen	The immunogen recognized by this antibody maps to a region between residues 575 and 625 of human Eukaryotic Initiation Factor 4 Gamma 1 (NP_886553.2).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000 - 1:10000, Immunoprecipitation 2-10 ug/mg lysate

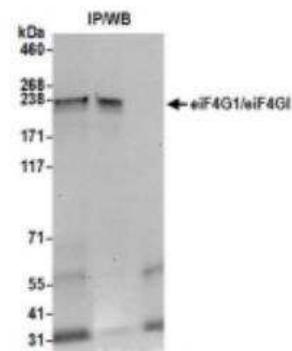


Images

Western Blot: eIF4G1 Antibody [NB100-268] - Whole cell lysate (50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-eIF4G1/eIF4GI antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunoprecipitation: eIF4G1 Antibody [NB100-268] - Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-eIF4G1/eIF4GI antibody used for IP at 6 ug per reaction. eIF4G1/eIF4GI was also immunoprecipitated by rabbit anti-eIF4G1/eIF4GI antibody. For blotting immunoprecipitated eIF4G1/eIF4GI, rabbit anti-eIF4G1/eIF4GI antibody was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



Publications

Mendez-Solis O, Bendjennat M, Naipauer J et al. Kaposi's sarcoma herpesvirus activates the hypoxia response to usurp HIF2alpha-dependent translation initiation for replication and oncogenesis Cell reports 2021-12-28 [PMID: 34965440] (WB)

Hernandez-Garcia AD, Columbus DA, Manjarin R et al. Leucine supplementation stimulates protein synthesis and reduces degradation signal activation in muscle of newborn pigs during acute endotoxemia Am. J. Physiol. Endocrinol. Metab. 2016-09-13 [PMID: 27624100] (WB, Porcine)

Galicia-Vazquez G, Cencic R, Robert F et al. A cellular response linking eIF4A1 activity to eIF4A11 transcription. RNA 2012-07-01 [PMID: 22589333]

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Chale-Rush A, Morris EP, Kendall TL et al. Effects of chronic overload on muscle hypertrophy and mTOR signaling in young adult and aged rats. J Gerontol A Biol Sci Med Sci 2009 Dec [PMID: 19808838]

Spurgeon ME, Ornelles DA. The adenovirus E1B 55-kilodalton and E4 open reading frame 6 proteins limit phosphorylation of eIF2alpha during the late phase of infection. J Virol 2009-10-01 [PMID: 19605483]

Suryawan A, Jeyapalan AS, Orellana RA et al. Leucine stimulates protein synthesis in skeletal muscle of neonatal pigs by enhancing mTORC1 activation. Am J Physiol Endocrinol Metab 2008-10-01 [PMID: 18682538]

Lin CJ, Cencic R, Mills JR et al. c-Myc and eIF4F are components of a feedforward loop that links transcription and translation. Cancer Res 2008-07-01 [PMID: 18593934]

Gelinas JN, Banko JL, Hou L et al. ERK and mTOR signaling couple beta-adrenergic receptors to translation initiation machinery to gate induction of protein synthesis-dependent long-term potentiation. J Biol Chem 2007-09-01 [PMID: 17635924]

Otulakowski G, Duan W, Gandhi S et al. Steroid and oxygen effects on eIF4F complex, mTOR, and ENaC translation in fetal lung epithelia. Am J Respir Cell Mol Biol 2007-10-01 [PMID: 17556672]

Vary TC, Anthony JC, Jefferson LS et al. Rapamycin blunts nutrient stimulation of eIF4G, but not PKCepsilon phosphorylation, in skeletal muscle. Am J Physiol Endocrinol Metab 2007-07-01 [PMID: 17389711]

More publications at <http://www.novusbio.com/NB100-268>



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-268

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-84868PEP	eIF4G1 Recombinant Protein Antigen

Limitations

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