

Product Datasheet

Gemin 5 Antibody NB100-61049

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-61049**Gemin 5 Antibody**

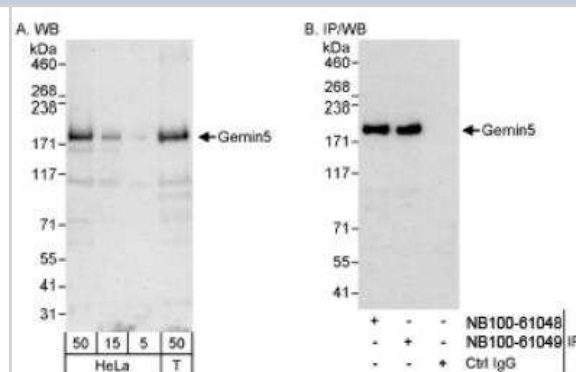
Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA
Target Molecular Weight	169 kDa

Product Description	
Host	Rabbit
Gene ID	25929
Gene Symbol	GEMIN5
Species	Human, Porcine, Bacteria, Golden Syrian Hamster
Reactivity Notes	Hamster and Porcine reactivity reported in (PMID: 22362733), Golden Syrian Hamster reported in (PMID: 23221641). Bacteria reactivity reported in scientific literature (PMID: 29771365).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1410 and 1438 of human gem (nuclear organelle) associated protein 5 using the numbering given in entry NP_056280.1 (GeneID 25929).

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

Images

Western Blot: Gemin 5 Antibody [NB100-61049] - Detection of Human Gemin5 on HeLa whole cell lysate using NB100-61049. Gemin5 was also immunoprecipitated by rabbit anti-Gemin5 antibody NB100-61048.



Publications

Francisco-Velilla R, Embarc-Buh A, Del CaNo-Ochoa F et al. Functional and structural deficiencies of Gemin5 variants associated with neurological disorders Life science alliance 2022-07-01 [PMID: 35393353] (WB, Human)

Moreno-Morcillo M, Francisco-Velilla R, Embarc-Buh A, et al. Structural basis for the dimerization of Gemin5 and its role in protein recruitment and translation control Nucleic Acids Res. 2019-12-04 [PMID: 31799608] (WB)

Francisco-Velilla R, Fernandez-Chamorro J, Dotu I, Martinez-Salas E. The landscape of the non-canonical RNA-binding site of Gemin5 unveils a feedback loop counteracting the negative effect on translation Nucleic Acids Res. 2018-05-16 [PMID: 29771365] (WB, Bacteria)

Lampe S, Kunze M, Scholz A et al. Identification of the TXNIP IRES and characterization of the impact of regulatory IRES trans-acting factors. Biochim Biophys Acta Gene Regul Mech 2018-02-01 [PMID: 29378331] (Human)

Francisco-Velilla R, Fernandez-Chamorro J, Ramajo J, Martinez-Salas E. The RNA-binding protein Gemin5 binds directly to the ribosome and regulates global translation. Nucleic Acids Res. 2016-08-09 [PMID: 27507887] (WB)

Fernandez-Chamorro J, Pineiro D, Gordon JM et al. Identification of novel non-canonical RNA-binding sites in Gemin5 involved in internal initiation of translation. Nucleic Acids Res. 2014-03-05 [PMID: 24598255] (WB)

Pineiro D, Fernandez N, Ramajo J, Martinez-Salas E. Gemin5 promotes IRES interaction and translation control through its C-terminal region Nucleic Acids Res 2012-12-05 [PMID: 23221641] (WB, Golden Syrian Hamster)

Pineiro D, Ramajo J, Bradrick SS, Martinez-Salas E. Gemin5 proteolysis reveals a novel motif to identify L protease targets. Nucleic Acids Res. 2012-02-22 [PMID: 22362733]





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 NB100-61049

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-90354PEP	Gemin 5 Recombinant Protein Antigen

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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