

# Product Datasheet

## eIF4G1 [p Ser1231] Antibody - BSA Free NBP1-04965

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-04965**

eIF4G1 [p Ser1231] Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 50% glycerol
Target Molecular Weight	220 kDa

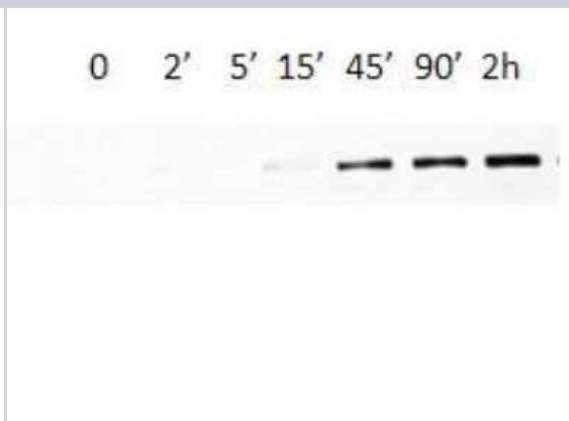
Product Description	
Description	Novus Biologicals Rabbit eIF4G1 [p Ser1231] Antibody - BSA Free (NBP1-04965) is a polyclonal antibody validated for use in IHC and WB. Anti-eIF4G1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1981
Gene Symbol	EIF4G1
Species	Human
Specificity/Sensitivity	Detects endogenous levels of eIF4G1 only when phosphorylated at serine 1231.
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human eIF4G1 [p Ser1231] around the phosphorylation site of serine 1231 (P-V-Sp-P-L).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:50-1:100, Immunohistochemistry-Paraffin 1:50-1:100

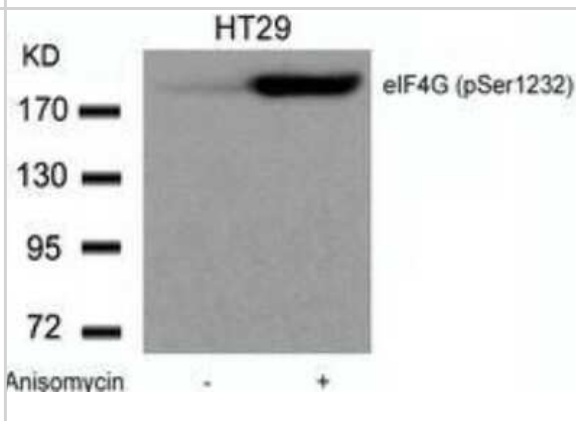


## Images

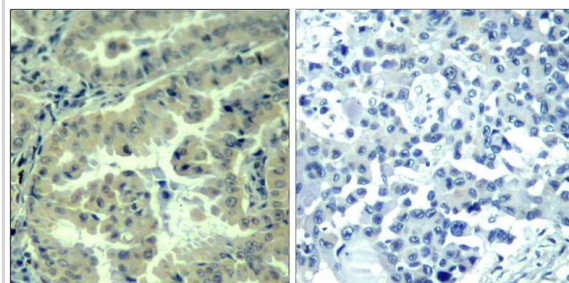
Western Blot: eIF4G1 [p Ser1231] Antibody [NBP1-04965] - Kinetics of eIF4G1 (s1232) phosphorylation in response to PKC/Ras/Erk activation by Sapintoxin D. Photo courtesy of a product review by the Gromeier Lab at Duke University.



Western Blot: eIF4G1 [p Ser1231] Antibody [NBP1-04965] - HT29 cells untreated or treated with Anisomycin.



Immunohistochemistry-Paraffin: eIF4G1 [p Ser1231] Antibody [NBP1-04965] - Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using NBP1-04965 incubated with blocking peptide(right).



## Publications

Dobrikov MI, Shveygert M, Brown M, Gromeier M. Mitotic phosphorylation of eukaryotic initiation factor (eIF) 4G1 at Ser1232 by Cdk1:Cyclin B inhibits eIF4A helicase complex binding with RNA. *Mol Cell Biol*. 2013-11-18 [PMID: 24248602] (WB, Human)

Dobrikov MI, Dobrikova EY, Gromeier M et al. Dynamic regulation of the translation initiation helicase complex by mitogenic signal transduction to eIF4G *Mol Cell Biol* 2012-12-21 [PMID: 23263986] (WB, Human)

Dobrikov M, Dobrikova E, Shveygert M, Gromeier M. Phosphorylation of eIF4G1 by PKC{alpha} Regulates eIF4G1 Binding to Mnk1. *Mol Cell Biol*;31(14):2947-59. 2011-07-01 [PMID: 21576361]



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### **Products Related to NBP1-04965**

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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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### **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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