

# Product Datasheet

## eIF2A [p Ser51] Antibody NB100-81896

Unit Size: 0.05 mg

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 2

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**NB100-81896**

eIF2A [p Ser51] Antibody

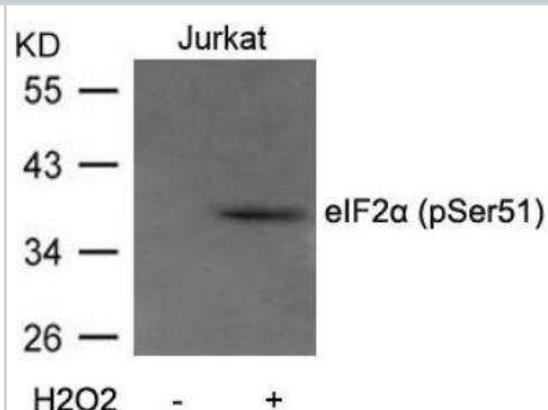
Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS, 50% glycerol, 0.5% BSA
Target Molecular Weight	38 kDa

Product Description	
Host	Rabbit
Gene ID	83939
Gene Symbol	EIF2A
Species	Human, Mouse, Rat, Porcine, Canine, Fish
Specificity/Sensitivity	Detects endogenous levels of eIF2A only when phosphorylated at serine 51.
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human eIF2A around the phosphorylation site of serine 51 (E-L-SP-R-R).

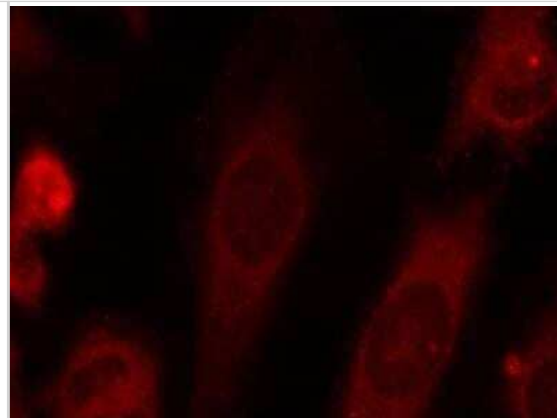
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry 1:100-1:300, Immunocytochemistry/ Immunofluorescence 1:50-200, Immunohistochemistry-Paraffin 1:50-1:100

**Images**

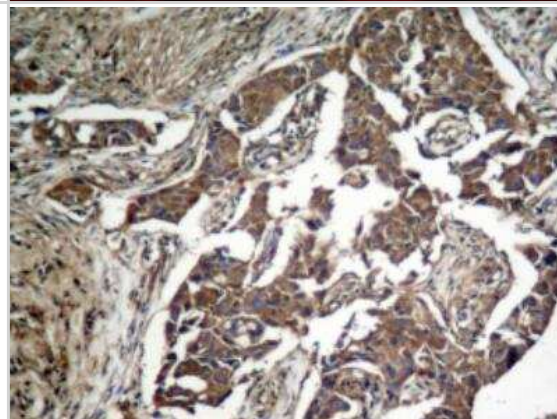
Western Blot: eIF2A [p Ser51] Antibody [NB100-81896] - Analysis of extracts from Jurkat cells untreated or treated with H<sub>2</sub>O<sub>2</sub> using eIF2 alpha (Phospho-Ser51) antibody.



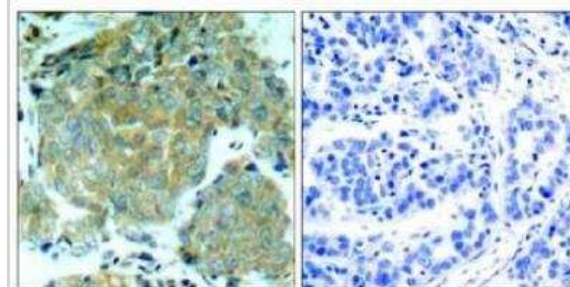
Immunocytochemistry/Immunofluorescence: eIF2A [p Ser51] Antibody [NB100-81896] - Staining of methanol-fixed HeLa cells using NB100-81896



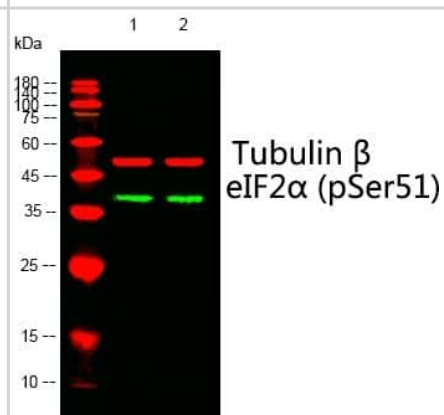
Immunohistochemistry-Paraffin: eIF2A [p Ser51] Antibody [NB100-81896] - Paraffin-embedded human lung carcinoma tissue.



Immunohistochemistry-Paraffin: eIF2A [p Ser51] Antibody [NB100-81896] - Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using NB100-81896 (left) or the same antibody preincubated with blocking peptide (right).



Western Blot: eIF2A [p Ser51] Antibody [NB100-81896] - Western blot analysis of lysates from 1) KB, 2) MCF-7 cells, (Green) primary antibody was diluted at 1: 1000,



## Publications

Wang G, Xu J, Zhao J et al. Arf1-mediated lipid metabolism sustains cancer cells and its ablation induces anti-tumor immune responses in mice Nat Commun 2020-01-10 [PMID: 31924786] (IF/IHC, ICC/IF, Mouse)

Liu YQ, Jia MQ, Xie ZH et al. Arrestins contribute to amyloid beta-induced cell death via modulation of autophagy and the alpha7nACh receptor in SH-SY5Y cells. Sci Rep. 2017-06-13 [PMID: 28611418] (WB, Human)



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### **Products Related to NB100-81896**

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NBL1-10174	eIF2A Overexpression Lysate
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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