

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.

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NB100-81896

eIF2A [p Ser51] Antibody

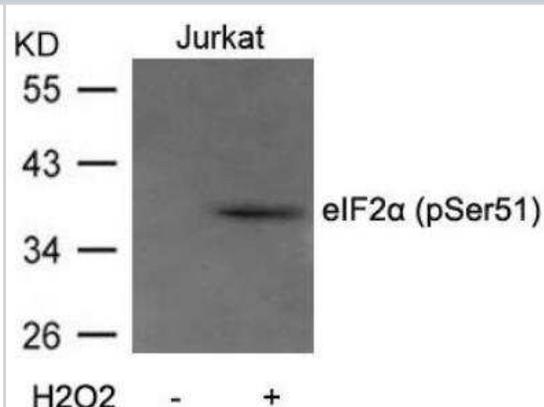
| Product Information | |
|-------------------------|--|
| Unit Size | 0.05 mg |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | 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). |

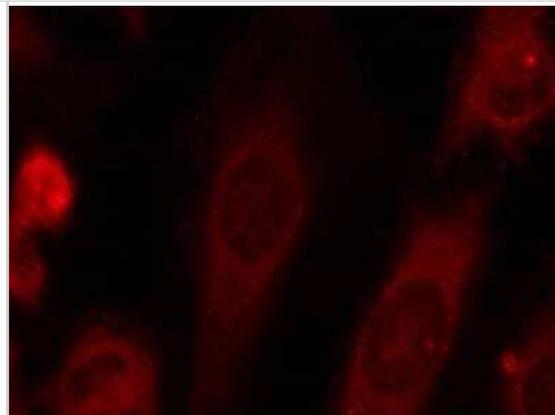
| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot 1:500-1:2000, Immunohistochemistry 1:100-1:300, Immunocytochemistry/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

Images

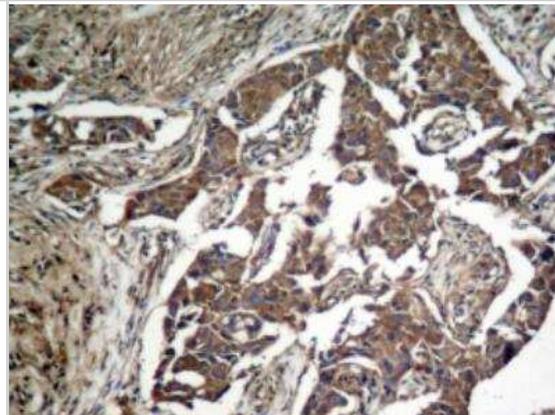
Western Blot: eIF2A [p Ser51] Antibody [NB100-81896] - Analysis of extracts from Jurkat cells untreated or treated with H₂O₂ using eIF2 alpha (Phospho-Ser51) antibody.



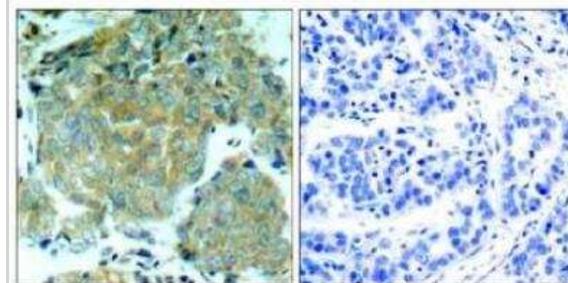
Immunocytochemistry/Immunofluorescence: eIF2A [p Ser51] Antibody [NB100-81896] - Staining of methanol-fixed HeLa cells using NB100-81896



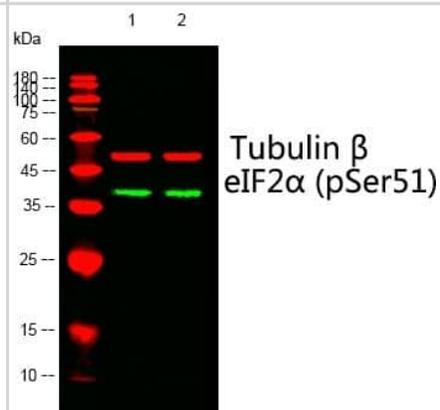
Immunohistochemistry-Paraffin: eIF2A [p Ser51] Antibody [NB100-81896] - Paraffin-embedded human lung carcinoma tissue.



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

| | |
|------------|---|
| 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 |

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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