

Product Datasheet

Importin beta/KPNB1 Antibody (3E9) NB120-2811

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NB120-2811

Importin beta/KPNB1 Antibody (3E9)

| Product Information | |
|-----------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | 1 mg/ml |
| Storage | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 3E9 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG2a |
| Purity | Protein A purified |
| Buffer | PBS |
| Product Description | |
| Host | Mouse |
| Gene ID | 3837 |
| Gene Symbol | KPNB1 |
| Species | Human, Mouse, Rat, Porcine, Bovine, Canine |
| Reactivity Notes | Bovine reactivity reported in scientific literature (PMID: 7615630). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information. |
| Specificity/Sensitivity | Detects nuclear transport factor p97 (NTF 97). This does not detect bacterially expressed recombinant NTF 97. |
| Immunogen | Purified NTF97 from bovine erythrocytes. |
| Product Application Details | |
| Applications | Western Blot, Simple Western, Chromatin Immunoprecipitation, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Block/Neutralize, Inhibition Activity |
| Recommended Dilutions | Western Blot 1:5000, Simple Western 1:100, Chromatin Immunoprecipitation 1:10 - 1:500, Flow Cytometry 1 ug, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:1000, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500, Inhibition Activity, Block/Neutralize |
| Application Notes | <p>ChIP usage was reported in scientific literature. May be useful in Flow. WB: Detects an approx. 97 kDa protein representing NTF 97 in MDBK cell homogenate. IF: Staining of NTF 97 in MDBK cells results in the labeling of both the nuclear envelope (NE) and the cytoplasm and shows discontinuous, punctate staining along the rim of the NE. This antibody can inhibit import of nuclear localization sequence-containing proteins in permeabilized cells.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.</p> |



Publications

Fang W, Deng Z, Benadjaoud F et al. Cathepsin B deficiency ameliorates liver lipid deposition, inflammatory cell infiltration, and fibrosis after diet-induced nonalcoholic steatohepatitis *Transl Res* 2020-05-11 [PMID: 32434697] (WB, Mouse)

Arnold M, Nath A, Hauber J et al. Multiple importins function as nuclear transport receptors for the Rev protein of human immunodeficiency virus type 1. *J Biol Chem*. 2006-07-01 [PMID: 16704975]

Wamhoff BR, Bowles DK, Dietz NJ et al. Exercise training attenuates coronary smooth muscle phenotypic modulation and nuclear Ca²⁺ signaling. *Am J Physiol Heart Circ Physiol*. 2002-12-01 [PMID: 12388302]

Chi NC, Adam EJ, Adam SA et al. Sequence and characterization of cytoplasmic nuclear protein import factor p97. *J Cell Biol*. 1995-07-01 [PMID: 7615630]





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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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