

# Product Datasheet

## PICK1 Antibody NBP1-42829

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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**NBP1-42829****PICK1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.14 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	BBS and 1.0% BSA
<b>Target Molecular Weight</b>	50 kDa
<b>Product Description</b>	
<b>Host</b>	Chicken
<b>Gene ID</b>	9463
<b>Gene Symbol</b>	PICK1
<b>Species</b>	Mouse, Rat
<b>Reactivity Notes</b>	Mouse and rat.
<b>Immunogen</b>	Synthetic peptide corresponding to the C-terminus of rat PICK1 (within residues 350-416). [Swiss-Prot# Q9EP80]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:100, Immunocytochemistry/Immunofluorescence 1:300, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:100
<b>Application Notes</b>	This PICK1 antibody is useful for Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Immunohistochemistry on paraffin-embedded sections and Western blot, where a band can be seen at 50 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.



## Publications

Han F, Liu C, Zhang L et al. Globozoospermia and lack of acrosome formation in GM130-deficient mice Cell Death Dis 2017-01-05 [PMID: 28055014] (ICC/IF, Mouse)

Pinheiro PS, Jansen AM, de Wit H et al. The BAR Domain Protein PICK1 Controls Vesicle Number and Size in Adrenal Chromaffin Cells J. Neurosci. 2014-08-06 [PMID: 25100601]

Murk K, Blanco Suarez EM, Cockbill LM et al. The antagonistic modulation of Arp2/3 activity by N-WASP/WAVE2 and PICK1 defines dynamic changes in astrocyte morphology. J Cell Sci 2013-07-10 [PMID: 23843614] (ICC/IF, WB, Rat)

Holst B, Madsen KL, Jansen AM et al. PICK1 Deficiency Impairs Secretory Vesicle Biogenesis and Leads to Growth Retardation and Decreased Glucose Tolerance. PLoS Biol 2013-04-01 [PMID: 23630454] (ICC/IF, IF/IHC, Mouse, Rat)

Bassan M, Liu H, Madsen KL, Armsen W, Zhou J, Desilva T, Chen W, Paradise A, Brasch MA, Staudinger J, Gether U, Irwin N, Rosenberg PA. Interaction between the glutamate transporter GLT1b and the synaptic PDZ domain protein PICK1. Eur J Neurosci;27(1):66-82. 2008-01-01 [PMID: 18184314] (ICC/IF, IP, WB, Rat)



## Procedures

### **Immunohistochemistry-Paraffin Embedded Sections Protocol Specific for PICK1 Antibody (NBP1-42829)**

#### Immunohistochemistry-Paraffin Embedded Sections

##### Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

##### Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.





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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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