

# Product Datasheet

## NEBL Antibody NBP1-45223

Unit Size: 0.1 mg

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

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**NBP1-45223****NEBL Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	10529
<b>Gene Symbol</b>	NEBL
<b>Species</b>	Human, Mouse, Canine
<b>Specificity/Sensitivity</b>	This antibody is expected to recognize isoform 2 and isoform 3 (NP_998734.1; NP_001166955.1) only, but does not recognize isoform 1 (NP_006384.1).
<b>Immunogen</b>	Peptide with sequence C-ELQRLKRTQE corresponding to internal region according to NP_998734.1, NP_001166955.1.

<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin 1:10 - 1:500, Peptide ELISA Detection limit 1:4000
<b>Application Notes</b>	WB: Preliminary experiments gave an approx. 30 kDa band in human brain (frontal cortex) lysates, but not in human, mouse and rat heart lysates after 1 ug/ml antibody staining. This protein has a calculated MW of 31.2 kDa band according to NP_998734.1. The 30 kDa band was successfully blocked by incubation with the immunizing peptide. IHC-P usage is reported in scientific literature (PMID: 24449343).

**Publications**

Vejandla RM, Orgil BO, Alberson NR et al. Deficiency in Nebulin Repeats of Sarcomeric Nebulette is Detrimental for Cardiomyocyte Tolerance to Exercise and Biomechanical Stress American journal of physiology. Heart and circulatory physiology 2021-04-16 [PMID: 33861145]

Ge X, Zhang T, Yu X et al. LIM-Nebulette Reinforces Podocyte Structural Integrity by Linking Actin and Vimentin Filaments J. Am. Soc. Nephrol. 2020-07-31 [PMID: 32737144]

Bonzo JR, Norris AA, Esham M, Moncman CL. The nebulette repeat domain is necessary for proper maintenance of tropomyosin with the cardiac sarcomere. Exp Cell Res 2008-11-15 [PMID: 18823973]

Licker V, Turck N, Kovari E et al. Proteomic analysis of human substantia nigra identifies novel candidates involved in Parkinson's disease pathogenesis. Proteomics 2014-02-18 [PMID: 24449343] (IHC-P, Human)





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### **Products Related to NBP1-45223**

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-86463PEP	NEBL Recombinant Protein Antigen

### **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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