

For Research Use Only

NRD1 Polyclonal antibody

Catalog Number: 15630-1-AP **2 Publications**



Basic Information

Catalog Number: 15630-1-AP	GenBank Accession Number: BC008775	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4898	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: nardilysin (N-arginine dibasic convertase)	
Isotype: IgG	Calculated MW: 132 kDa	
Immunogen Catalog Number: AG7923	Observed MW: 135-140 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : K-562 cells, IHC : mouse testis tissue, human testis tissue
Cited Applications: IF, WB	
Species Specificity: human, mouse	
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

NRD1(Nardilysin) is also named as NRD-C(N-arginine dibasic convertase). It is a zinc metalloendopeptidase of the M16 pitrilysin family that cleaves peptides at dibasic residues. The enzyme has also been found in neural tissues of mouse embryos indicating a role in neural development. Although nardilysin is primarily found in the cytosol, it has been reported that nardilysin is located on the cell surface acting as a receptor for heparinbinding EGF-like growth factor(PMID:15809022). It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Ilian A Radichev	24848066	Diabetes	IF
Ilian A Radichev	26773144	J Immunol	WB

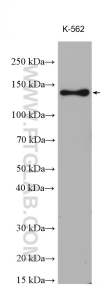
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

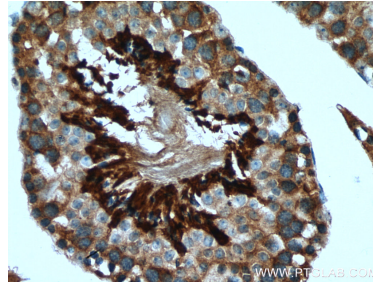
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



K-562 cells lysates were subjected to SDS PAGE followed by western blot with 15630-1-AP (NRD1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15630-1-AP (NRD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).