

For Research Use Only

NRD1 Polyclonal antibody

Catalog Number: 15630-1-AP **3 Publications**



Basic Information

Catalog Number: 15630-1-AP	GenBank Accession Number: BC008775	Purification Method: Antigen affinity purification
Size: 200 µg/ml	GeneID (NCBI): 4898	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O43847	
Isotype: IgG	Full Name: nardilysin (N-arginine dibasic convertase)	
Immunogen Catalog Number: AG7923	Calculated MW: 132 kDa	
	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: WB, IF, IHC	
Species Specificity: human, mouse	
Cited Species: human, 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
Yongfeng Xu	35683488	J Clin Med	IHC
Ilian A Radichev	24848066	Diabetes	IF
Ilian A Radichev	26773144	J Immunol	WB

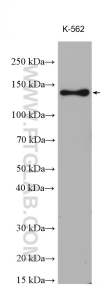
Storage

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

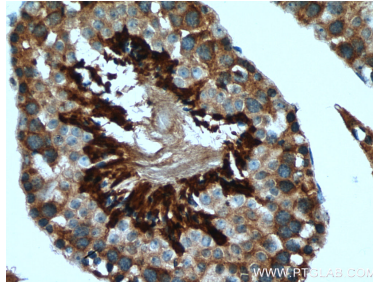
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Selected Validation Data



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).