

# NRD1 Polyclonal antibody

Catalog Number: 15630-1-AP

3 Publications

## Basic Information

## Catalog Number:

15630-1-AP

## Size:

200 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG7923

## GenBank Accession Number:

BC008775

## GeneID (NCBI):

4898

## UNIPROT ID:

O43847

## Full Name:

nardilysin (N-arginine dibasic convertase)

## Calculated MW:

132 kDa

## Observed MW:

135-140 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, WB, ELISA

## 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**

## Positive Controls:

WB : K-562 cells,

IHC : mouse testis tissue, human testis tissue

## 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

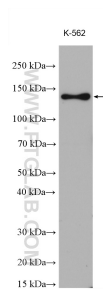
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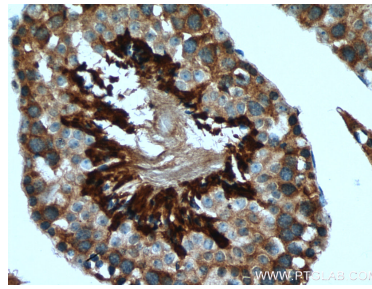
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## Selected Validation Data



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).