

# Product Datasheet

## Thymopoietin/LAP2 Antibody - BSA Free NBP1-87822

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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### Publications: 2

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Updated 2/21/2025 v.20.1

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**NBP1-87822**

Thymopoietin/LAP2 Antibody - BSA Free

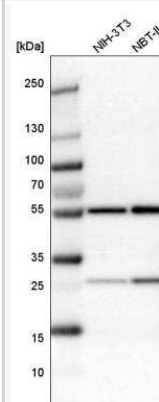
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	7112
Gene Symbol	TMPO
Species	Human, Mouse, Rat
Marker	Inner-nuclear Membrane Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VNP GPIVGTTTRKLYEKKLLKLREQGTESRSSTPLPTISSSAENTRQNGSNDSDR YSDNEEDSKIELKLEKREPLKGRAKTPVTLKQRRVEHNQSYSQAGITETEWTS GSSKGGPLQALTRESTRGSRRTPRKRVETSE

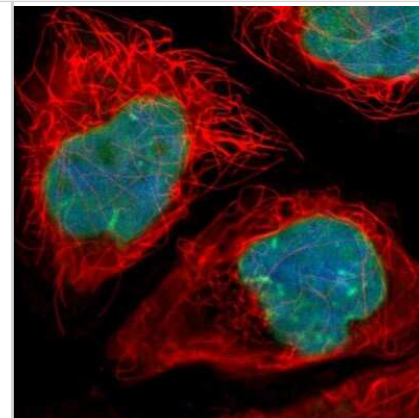
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

Western Blot: Thymopoietin/LAP2 Antibody [NBP1-87822] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



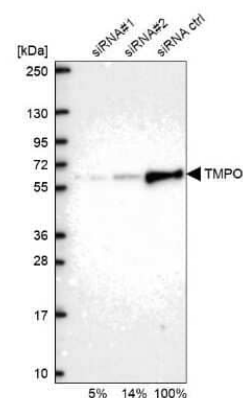
Immunocytochemistry/Immunofluorescence: Thymopoietin/LAP2 Antibody [NBP1-87822] - Staining of human cell line A-431 shows localization to nuclear membrane. Antibody staining is shown in green.



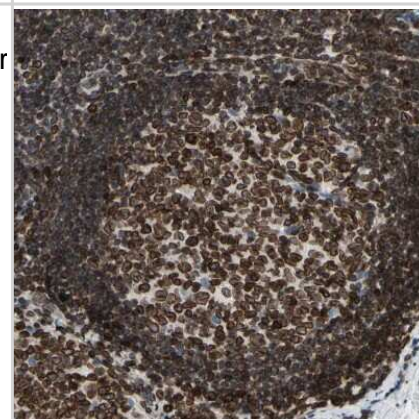
Immunohistochemistry-Paraffin: Thymopoietin/LAP2 Antibody [NBP1-87822] - Staining of human skeletal muscle shows moderate positivity in nuclear membrane in a small subset of myocytes.



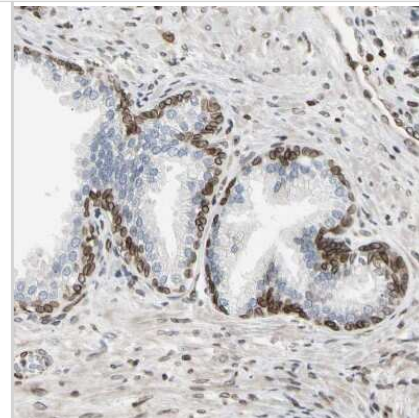
Western Blot: Thymopoietin/LAP2 Antibody [NBP1-87822] - Analysis in U2OS cells transfected with control siRNA, target specific siRNA probe #1 and #2, using anti-TMPO antibody. Remaining relative intensity is presented.



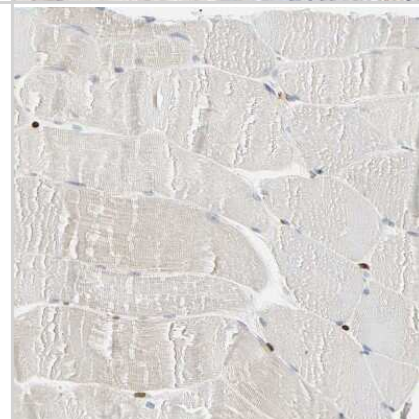
Immunohistochemistry-Paraffin: Thymopoietin/LAP2 Antibody [NBP1-87822] - Staining of human lymph node shows strong positivity in nuclear membrane in germinal center cells.



Immunohistochemistry-Paraffin: Thymopoietin/LAP2 Antibody [NBP1-87822] - Staining of human prostate shows strong positivity in nuclear membrane in glandular cells.



Immunohistochemistry-Paraffin: Thymopoietin/LAP2 Antibody [NBP1-87822] - Staining of human skeletal muscle shows moderate positivity in nuclear membrane in a small subset of myocytes.



Immunohistochemistry-Paraffin: Thymopoietin/LAP2 Antibody [NBP1-87822] - Staining of human small intestine shows strong positivity in nuclear membrane in glandular cells.



Immunohistochemistry-Paraffin: Thymopoietin/LAP2 Antibody [NBP1-87822] - Staining in human lymph node and skeletal muscle tissues using NBP1-87822 antibody. Corresponding TMPO RNA-seq data are presented for the same tissues.



TMPO in Lymph node

TMPO in Skeletal muscle



## Publications

Qin Z, Zheng X, Fang Y Long noncoding RNA TMPO-AS1 promotes progression of non-small cell lung cancer through regulating its natural antisense transcript TMPO Biochem. Biophys. Res. Commun. 2019-06-20 [PMID: 31230752] (IF/IHC, Mouse)

Stadler C, Hjelmare M, Neumann B et al. Systematic validation of antibody binding and protein subcellular localization using siRNA and confocal microscopy. J Proteomics 2012-04-03 [PMID: 22361696]





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### **Products Related to NBP1-87822**

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NBP1-87822PEP	Thymopoietin/LAP2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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