

# Product Datasheet

## ATAD2 Antibody NBP1-84123

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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[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 2

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Updated 8/29/2021 v.20.1

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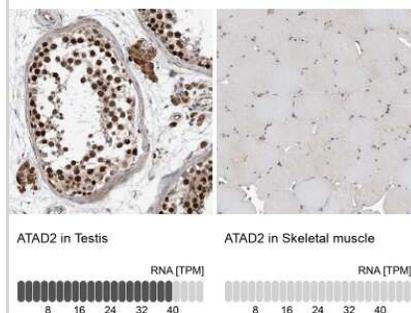
**NBP1-84123**

## ATAD2 Antibody

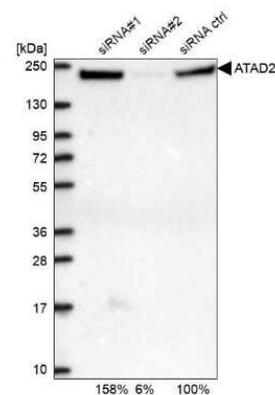
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	29028
<b>Gene Symbol</b>	ATAD2
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (82%), Rat (82%). Reactivity reported in scientific literature (PMID: 23393560)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: TAYAIKEELDEDFEQLCEEIQESRKKRGCSSSKYAPSYHVMMPKQNSTLVGDK RSDPEQNEKLTPTSTPVACSTPAQLKRKIRKKS NWYLGTIKRRKISQAKDDSQ NAIDHK
Product Application Details	
<b>Applications</b>	Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.4 ug/ml, Simple Western 1:50, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500-1:1000, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.  In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.

## Images

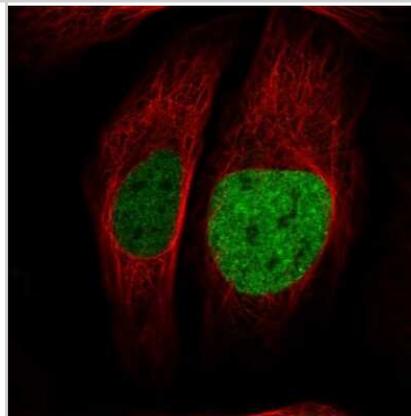
Immunohistochemistry-Paraffin: ATAD2 Antibody [NBP1-84123] - Analysis in human testis and skeletal muscle tissues using NBP1-84123 antibody. Corresponding ATAD2 RNA-seq data are presented for the same tissues.



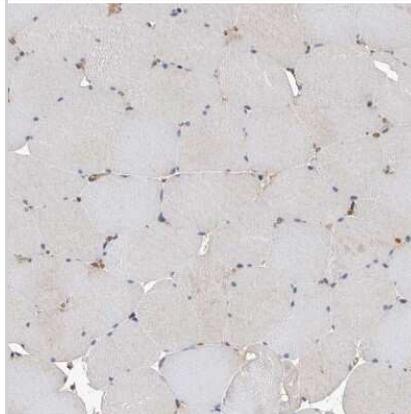
Western Blot: ATAD2 Antibody [NBP1-84123] - Analysis in U2OS cells transfected with control siRNA, target specific siRNA probe #1 and #2, using anti-ATAD2 antibody. Remaining relative intensity is presented.



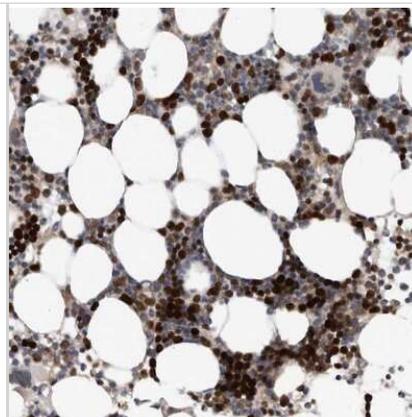
Immunocytochemistry/Immunofluorescence: ATAD2 Antibody [NBP1-84123] - Staining of human cell line U-2 OS shows localization to nucleoplasm. Antibody staining is shown in green.



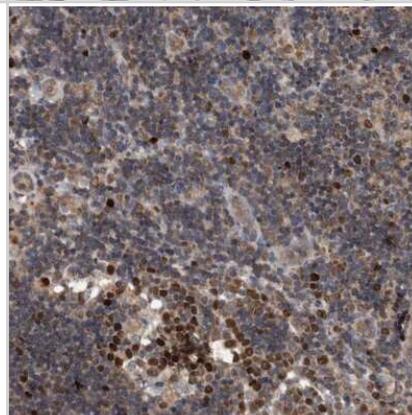
Immunohistochemistry-Paraffin: ATAD2 Antibody [NBP1-84123] - Staining of human Skeletal muscle shows very weak positivity in myocytes.



Immunohistochemistry-Paraffin: ATAD2 Antibody [NBP1-84123] - Staining of human Bone marrow shows strong nuclear positivity in hematopoietic cells.



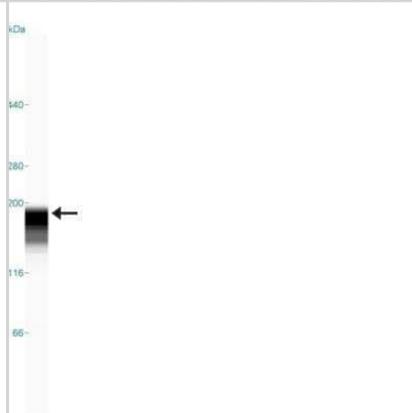
Immunohistochemistry-Paraffin: ATAD2 Antibody [NBP1-84123] - Staining of human Lymph node shows moderate nuclear positivity in non-germinal center cells.



Immunohistochemistry-Paraffin: ATAD2 Antibody [NBP1-84123] - Staining of human Testis shows strong nuclear positivity in cells in seminiferous ducts.



Simple Western: ATAD2 Antibody [NBP1-84123] - Simple Western lane view shows a specific band for ATAD2 in 0.2 mg/ml of U-251MG sp lysate. This experiment was performed under reducing conditions using the 66-440 kDa separation system.



## Publications

Wan WN, Zhang YX, Wang XM et al. ATAD2 is highly expressed in ovarian carcinomas and indicates poor prognosis. *Asian Pac J Cancer Prev* 2014-01-01 [PMID: 24761900] (IF/IHC, Human)

Raeder MB, Birkeland E, Trovik J et al. Integrated Genomic Analysis of the 8q24 Amplification in Endometrial Cancers Identifies ATAD2 as Essential to MYC-Dependent Cancers. *PLoS One* 2013-01-01 [PMID: 23393560]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA

Phone: 303.730.1950

Toll Free: 1.888.506.6887

Fax: 303.730.1966

[nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada

Phone: 905.827.6400

Toll Free: 855.668.8722

Fax: 905.827.6402

[canada.inquires@bio-techne.com](mailto:canada.inquires@bio-techne.com)

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449

Free Phone: 0800 37 34 15

Fax: (44) (0) 1235 533420

[info.EMEA@bio-techne.com](mailto:info.EMEA@bio-techne.com)

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)

Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)

Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)

General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **Products Related to NBP1-84123**

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NBP1-84123PEP	ATAD2 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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