

# Product Datasheet

## Methionyl tRNA synthetase Antibody - BSA Free NBP1-87730

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: 1

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**NBP1-87730**

Methionyl tRNA synthetase Antibody - BSA Free

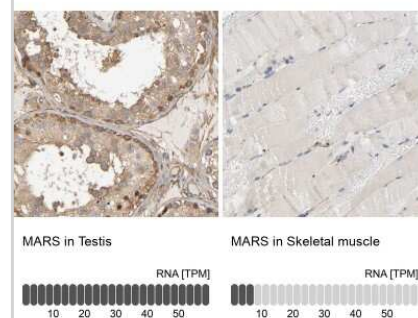
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	4141
Gene Symbol	MARS1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: FVLQDTVEQLRCEHCARFLADRFVEGVCPFCGYEEARGDQCDKCGKLINAVEL KKPQCKVCRSCPVVQSSQHLFLDLPKLEKRLEEWLGRITLPGSDWTPNAQFITR SWLRDGLKPRCITRDLKWGTPVPLEGFEDKVFYVWFD

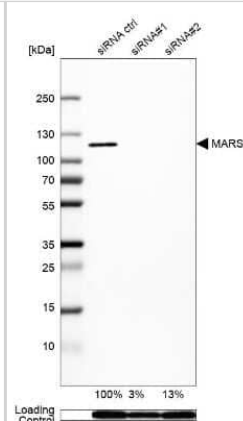
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

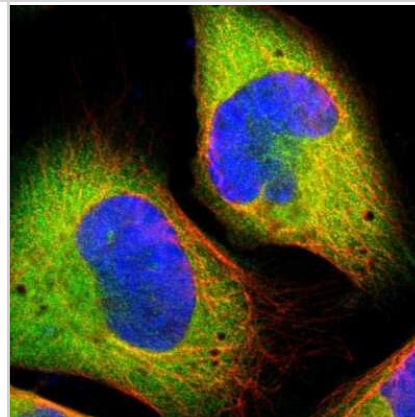
Immunohistochemistry-Paraffin: Methionyl tRNA synthetase Antibody [NBP1-87730] - Analysis in human testis and skeletal muscle tissues using NBP1-87730 antibody. Corresponding Methionyl tRNA synthetase RNA-seq data are presented for the same tissues.



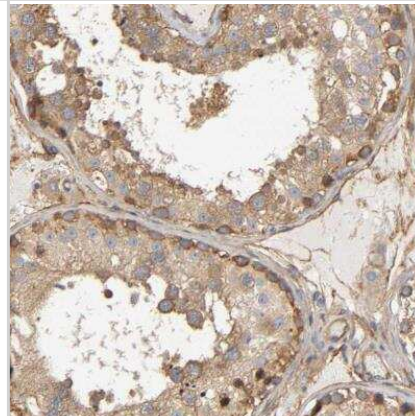
Western Blot: Methionyl tRNA synthetase Antibody [NBP1-87730] - Analysis in Rh30 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-MARS antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



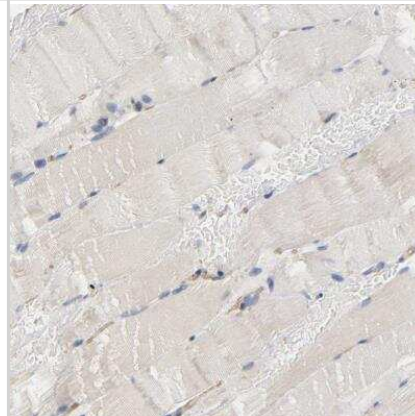
Immunocytochemistry/Immunofluorescence: Methionyl tRNA synthetase Antibody [NBP1-87730] - Staining of human cell line U-2 OS shows localization to cytosol. Antibody staining is shown in green.



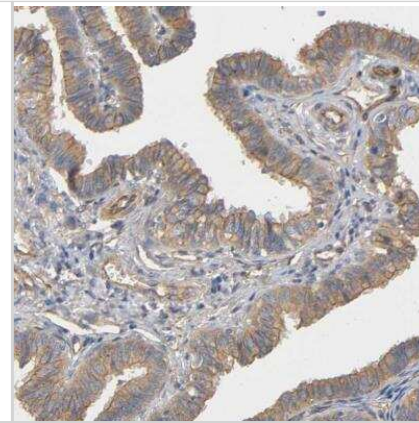
Immunohistochemistry-Paraffin: Methionyl tRNA synthetase Antibody [NBP1-87730] - Staining of human testis shows strong membranous and cytoplasmic positivity in cells in seminiferous ducts.



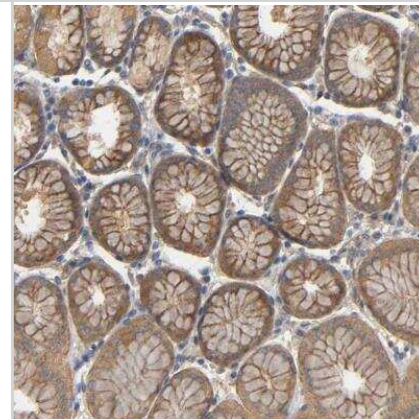
Immunohistochemistry-Paraffin: Methionyl tRNA synthetase Antibody [NBP1-87730] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: Methionyl tRNA synthetase Antibody [NBP1-87730] - Staining of human fallopian tube shows weak to moderated membranous and cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Methionyl tRNA synthetase Antibody [NBP1-87730] - Staining of human stomach shows moderate membranous and cytoplasmic positivity in glandular cells.



## Publications

van Meel E, Wegner DJ, Cliften P et al. Rare recessive loss-of-function methionyl-tRNA synthetase mutations presenting as a multi-organ phenotype. BMC Med Genet 2013-10-08 [PMID: 24103465]



### **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

### **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

### **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

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-87730**

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NBP1-87730PEP	Methionyl tRNA synthetase 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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