

Product Datasheet

CRAT Antibody - BSA Free

NBP1-86616

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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NBP1-86616

CRAT 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

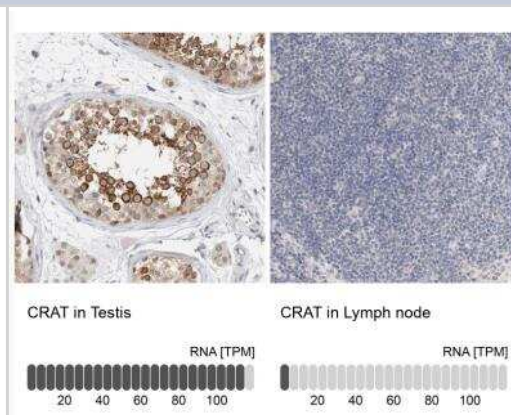
Host	Rabbit
Gene ID	1384
Gene Symbol	CRAT
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: RWFDKTLQFIVAEDGSCGLVYEHAAAEGPPIVTLDDYVIEYTKKPELVRSPMVP LPMPKKLRFNITPEIKSDIEKAKQNLSIMIQDLDTVMVFHHFGKDF

Product Application Details

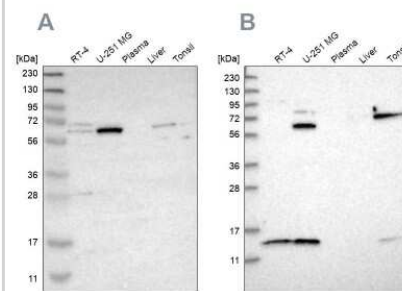
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

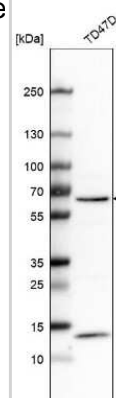
Immunohistochemistry-Paraffin: CRAT Antibody [NBP1-86616] - Analysis in human testis and lymph node tissues. Corresponding CRAT RNA-seq data are presented for the same tissues.



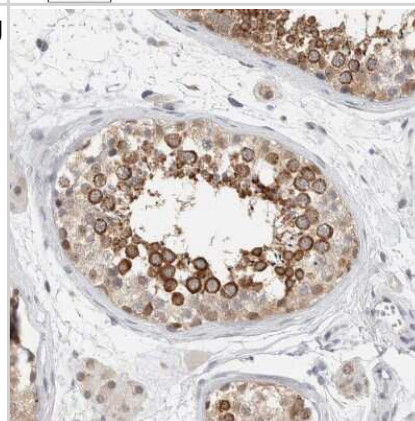
Western Blot: CRAT Antibody [NBP1-86616] - Analysis using Anti-CRAT antibody NBP1-86616 (A) shows similar pattern to independent antibody NBP1-86615 (B).



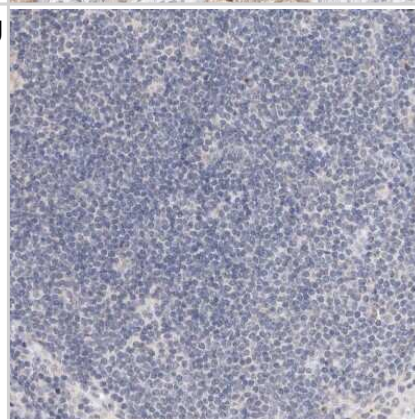
Western Blot: CRAT Antibody [NBP1-86616] - Analysis in human cell line TD47D.



Immunohistochemistry-Paraffin: CRAT Antibody [NBP1-86616] - Staining of human testis shows moderate to strong cytoplasmic positivity in cells in seminiferous ducts.



Immunohistochemistry-Paraffin: CRAT Antibody [NBP1-86616] - Staining of human lymph node shows no positivity as expected.



Publications

Song MJ, Park CH, Kim H et al. Carnitine acetyltransferase deficiency mediates mitochondrial dysfunction-induced cellular senescence in dermal fibroblasts *Aging cell* 2023-10-13 [PMID: 37828898] (WB, Human)

Lasheras-Otero I, Feliu I, Maillo A et al. The regulators of peroxisomal acyl-carnitine shuttle CROT and CRAT promote metastasis in melanoma *Journal of Investigative Dermatology* 2022-09-01 [PMID: 36058299] (KD, WB, Human)

Details:
Supplementary figure 4





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 NBP1-86616

NBP1-86616PEP	CRAT 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

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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