

# Product Datasheet

## Calreticulin-2/CALR3 Antibody - BSA Free NBP2-33390

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: 1

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**NBP2-33390**

Calreticulin-2/CALR3 Antibody - BSA Free

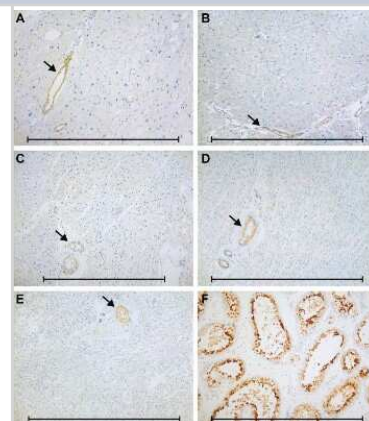
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Calreticulin-2/CALR3 Antibody - BSA Free (NBP2-33390) is a polyclonal antibody validated for use in IHC. Anti-Calreticulin-2/CALR3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	125972
Gene Symbol	CALR3
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: FLITDDEEYADNFGKATWGETKGPAREMDAIQAKEEMKKAREEEEEELLGKI NRHEHYFNQFHRRN

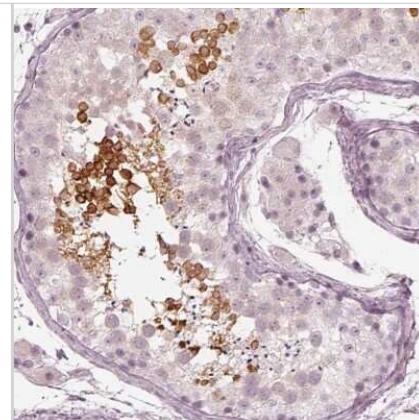
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:5000 - 1:10000, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

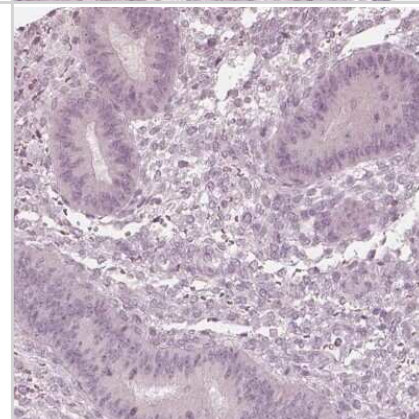
Immunohistochemistry: Calreticulin-2/CALR3 Antibody [NBP2-33390] - Examples of immunohistochemical staining for Calreticulin-2/CALR3 (antibody NBP2-33390) in normal and affected tissues. No expression in myocardial tissue from (a) patient with c.564del-positive DCM, b patient with ischemic cardiomyopathy, and c child, d newborn, and e fetus with structurally normal hearts. Instead, we observed positive staining of arteriolar smooth muscle cells in all samples (arrows). f High expression of CALR3 in testicular germ cells as positive control tissue. Scale bars: 1 mm Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41431-018-0208-1>), licensed under a CC-BY license.



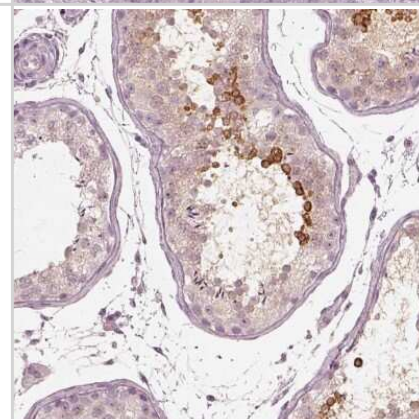
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33390] - Staining of human testis shows strong cytoplasmic positivity in spermatids.



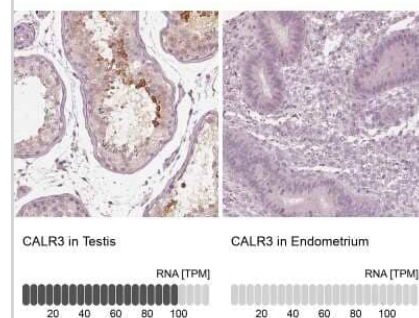
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33390] - Staining of human endometrium shows low expression as expected.



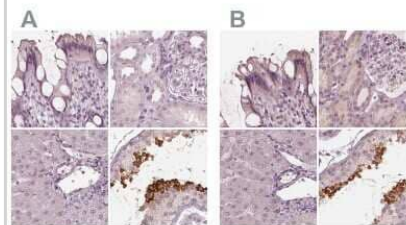
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33390] - Staining of human testis shows high expression.



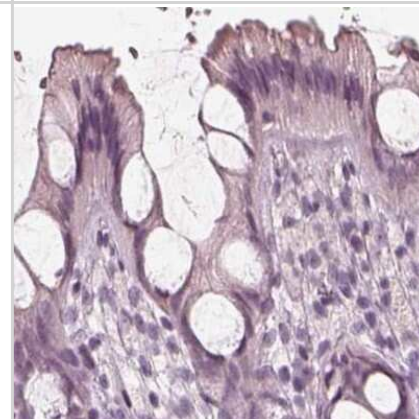
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33390] - Staining in human testis and endometrium tissues using anti-CALR3 antibody. Corresponding CALR3 RNA-seq data are presented for the same tissues.



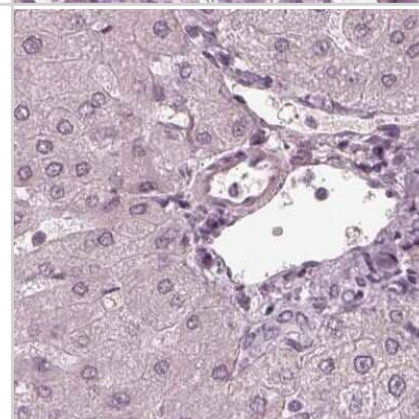
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33390] - Staining of human colon, kidney, liver and testis using Anti-CALR3 antibody NBP2-33390 (A) shows similar protein distribution across tissues to independent antibody NBP2-33524 (B).



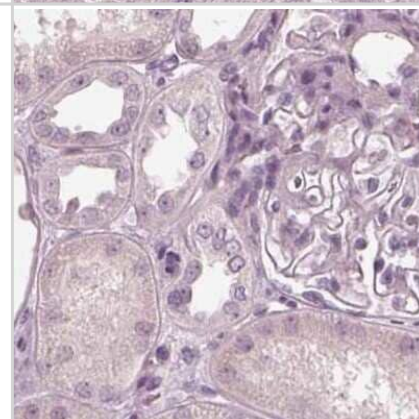
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33390] - Staining of human colon.



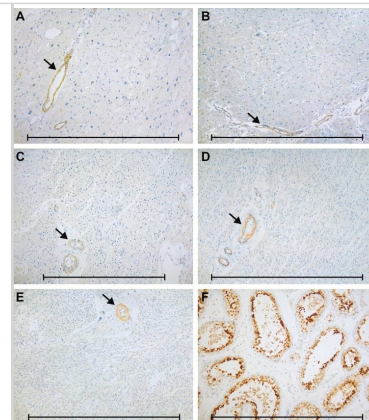
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33390] - Staining of human liver.



Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33390] - Staining of human kidney.



Examples of immunohistochemical staining for CALR3 (antibody NBP2-33390) in normal and affected tissues. No expression in myocardial tissue from (a) patient with c.564del-positive DCM, b patient with ischemic cardiomyopathy, and c child, d newborn, and e fetus with structurally normal hearts. Instead, we observed positive staining of arteriolar smooth muscle cells in all samples (arrows). f High expression of CALR3 in testicular germ cells as positive control tissue. Scale bars: 1 mm



## Publications

Verhagen J. M. A, Veldman J. H, et al. Lack of evidence for a causal role of CALR3 in monogenic cardiomyopathy. *Eur J Hum Genet* 2018-11-01 [PMID: 29988065] (IF/IHC, Human)



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### **Products Related to NBP2-33390**

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NBP2-33390PEP	Calreticulin-2/CALR3 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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