

Product Datasheet

Calreticulin-2/CALR3 Antibody - BSA Free NBP2-33524

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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NBP2-33524**Calreticulin-2/CALR3 Antibody - BSA Free**

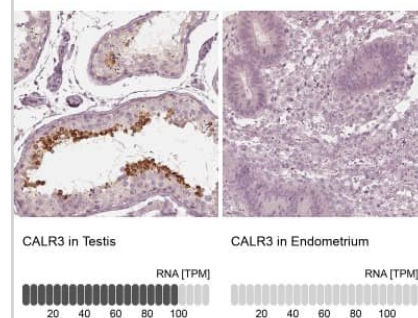
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	125972
Gene Symbol	CALR3
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: SIEYDWNLTSLKKETSPAESKDWEQTKDNKAQDWEKHFLDASTSKQSDWNGD LDGDWPAPMLQKPPYQDGLKPEGIHKGVWLHRKMKNTDYLTQYDLSEF

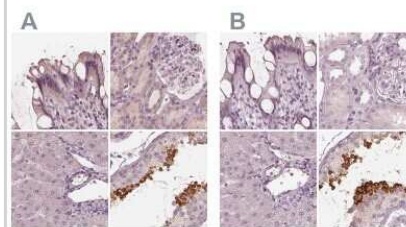
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

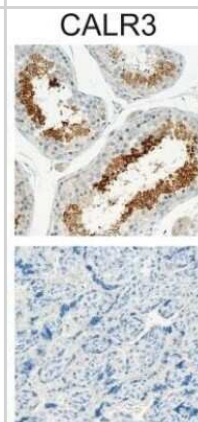
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Staining in human testis and endometrium tissues using anti-CALR3 antibody. Corresponding CALR3 RNA-seq data are presented for the same tissues.



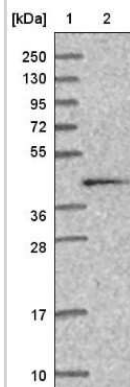
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Staining of human colon, kidney, liver and testis using Anti-CALR3 antibody NBP2-33524 (A) shows similar protein distribution across tissues to independent antibody NBP2-33390 (B).



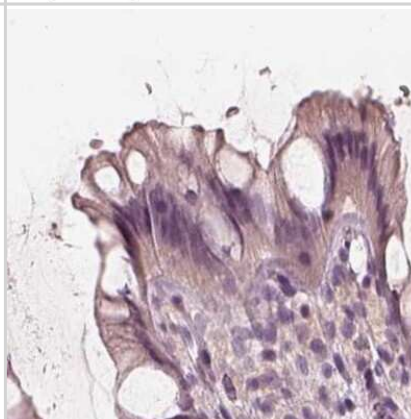
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Immunohistochemical staining of CT antigens in normal tissues. Among 22 normal tissues (see materials and methods), ADAM2, CALR3 (shown in image), SAGE1 and MAGE-A proteins were only detected in the germ cells of the testis. More specifically, SAGE-1 and MAGE-A were found in spermatogonia, while ADAM2 and CALR3 were present in post-meiotic germ cells. Only MAGE-A proteins were detected in placenta (all pictures magnification x20). Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0134967>), licensed under a CC-BY license.



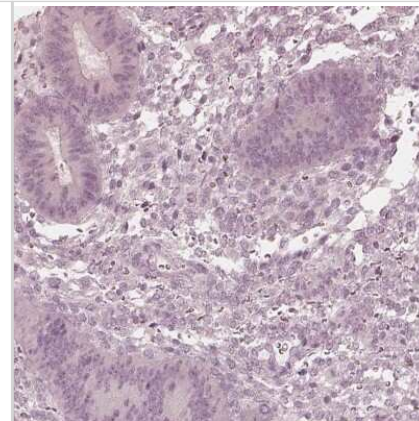
Western Blot: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Human cell line RT-4



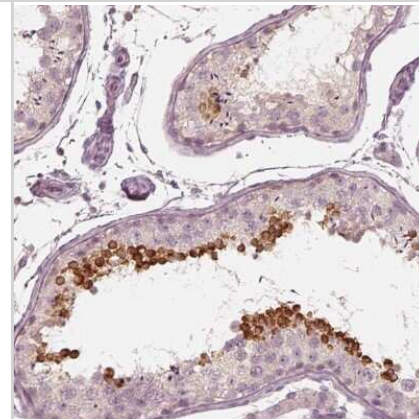
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Staining of human colon.



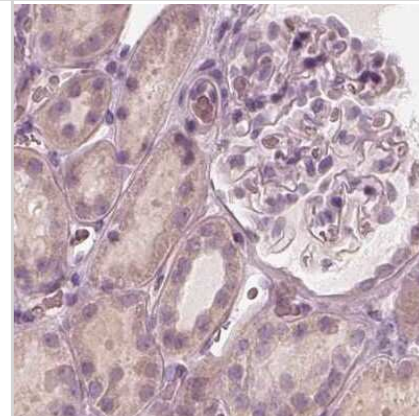
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Staining of human endometrium shows low expression as expected.



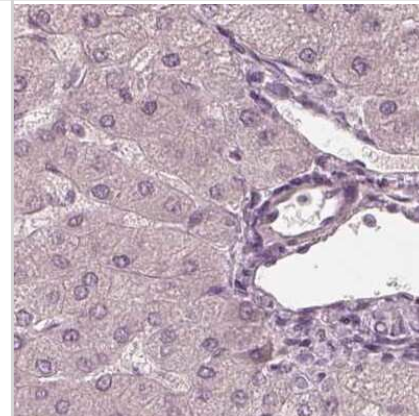
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Staining of human testis shows high expression.



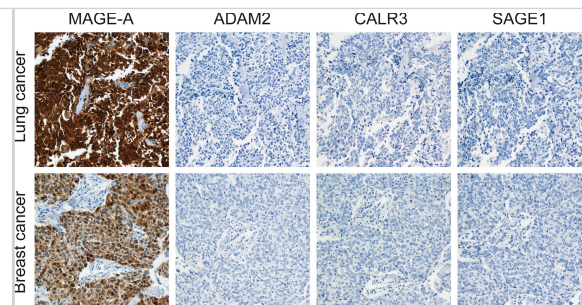
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Staining of human kidney.



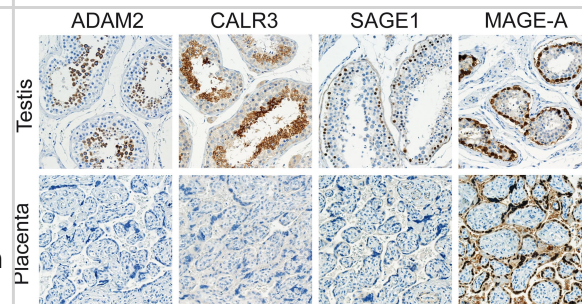
Immunohistochemistry-Paraffin: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Staining of human liver.



Immunohistochemistry: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Immunohistochemical staining of CT antigens in lung & breast cancer tumors. Examples of lung & breast cancer tumors positive for MAGE-A & negative for ADAM2, CALR3 & SAGE1 (all pictures magnification x20). Image collected & cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0134967>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunohistochemistry: Calreticulin-2/CALR3 Antibody [NBP2-33524] - Immunohistochemical staining of CT antigens in normal tissues. Among 22 normal tissues (see materials & methods), ADAM2, CALR3, SAGE1 & MAGE-A proteins were only detected in the germ cells of the testis. More specifically, SAGE-1 & MAGE-A were found in spermatogonia, while ADAM2 & CALR3 were present in post-meiotic germ cells. Only MAGE-A proteins were detected in placenta (all pictures magnification x20). Image collected & cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0134967>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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]

Maheswaran E, Pedersen CB, Ditzel HJ, Gjerstorff MF. Lack of ADAM2, CALR3 and SAGE1 Cancer/Testis Antigen Expression in Lung and Breast Cancer. *PLoS One* 2015-01-01 [PMID: 26252478] (IHC-P, Human)



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Products Related to NBP2-33524

NBP2-33524PEP	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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