Product Datasheet

Calreticulin Antibody (1G6A7) - Azide and BSA Free
NBP2-80610

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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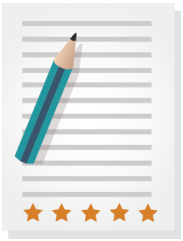
Updated 9/9/2025 v.20.1



NBP2-80610

Calreticulin Antibody (1G6A7) - Azide and BSA Free

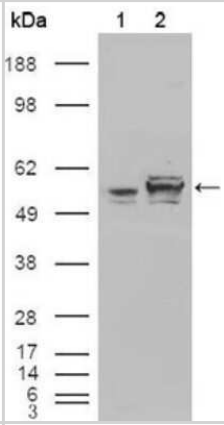
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G6A7
Preservative	No Preservative
Isotype	IgG2a
Purity	Ammonium sulfate precipitation
Buffer	PBS
Target Molecular Weight	48 kDa

Product Description	
Description	Novus Biologicals Mouse Calreticulin Antibody (1G6A7) - Azide and BSA Free (NBP1-47518) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	811
Gene Symbol	CALR
Species	Human, Mouse
Immunogen	Calreticulin Antibody (1G6A7) was developed against a synthetic peptide corresponding to the C-terminus (EEEDVPGQAKDELC) of human Calreticulin, conjugated to KLH. [UniProt# P27797]

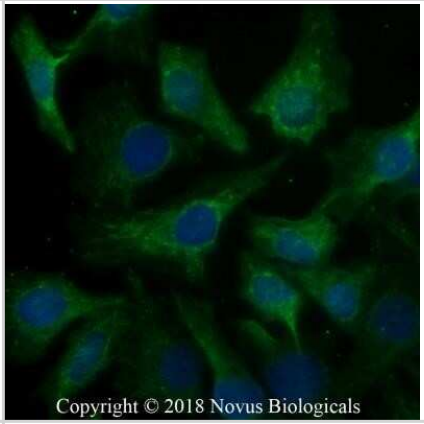
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1:500 - 1:2000, Flow Cytometry 1 ug per million cells, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000, Flow (Intracellular), CyTOF-ready
Application Notes	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

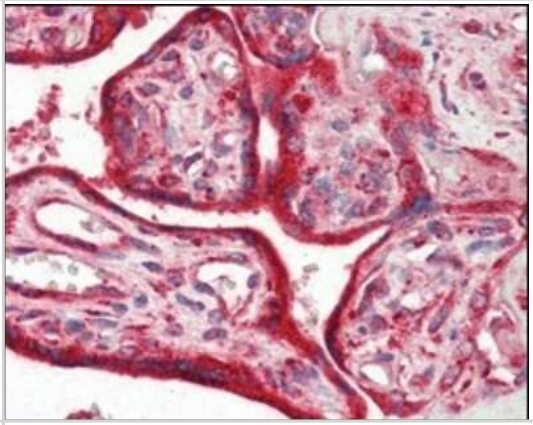
Western Blot: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - Analysis using Calreticulin mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY Calreticulin cDNA (2). Image from the standard format of this antibody.



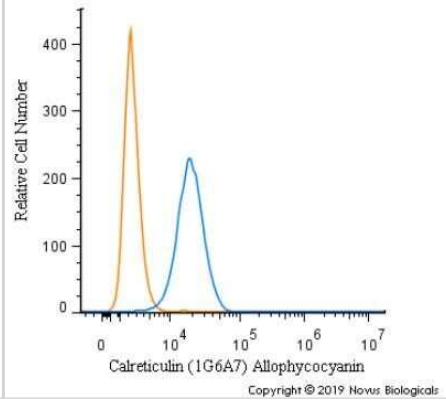
Immunocytochemistry/Immunofluorescence: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton X-100. The cells were incubated with anti-Calreticulin (1G6A7) conjugated to Alexa Fluor 488 [NBP1-47518AF488] at 10 ug/mL for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



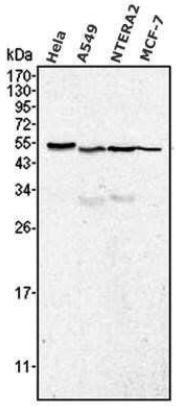
Immunohistochemistry-Paraffin: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - Analysis of paraffin-embedded human placenta tissues using anti-Calreticulin mAb. Image from the standard format of this antibody.



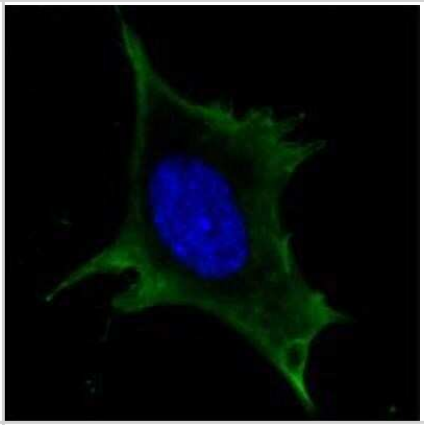
Flow Cytometry: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - An intracellular stain was performed on NIH3T3 cells with Calreticulin (1G6A7) Antibody NBP1-47518APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Allophycocyanin.



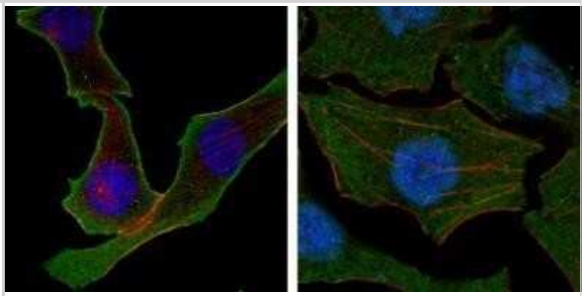
Western Blot: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - Analysis of whole cell lysates from HeLa, A549, NTERA2 and MCF-7 using Calreticulin antibody clone 1G6A7. The antibody generated a specific band of Calreticulin protein at ~48 kDa molecular weight position. Image from the standard format of this antibody.



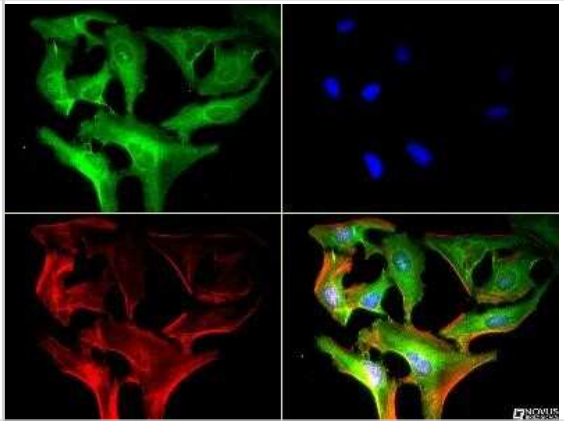
Immunocytochemistry/Immunofluorescence: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - Analysis of 3T3-L1 cells using anti-Calreticulin mAb (green). DRAQ5 fluorescent DNA dye (blue). Image from the standard format of this antibody.

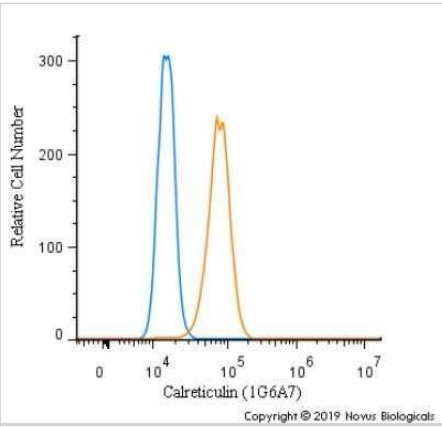
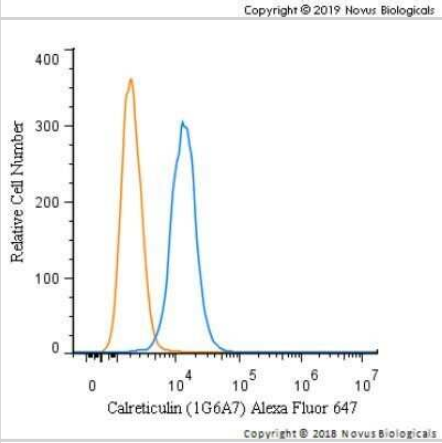
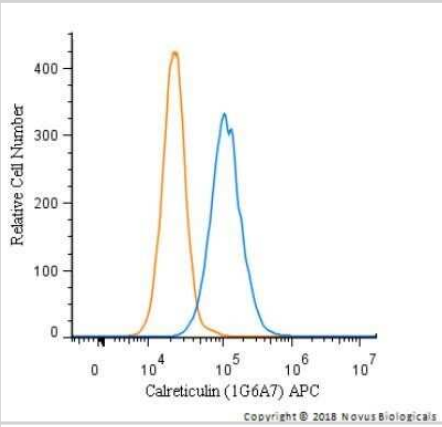
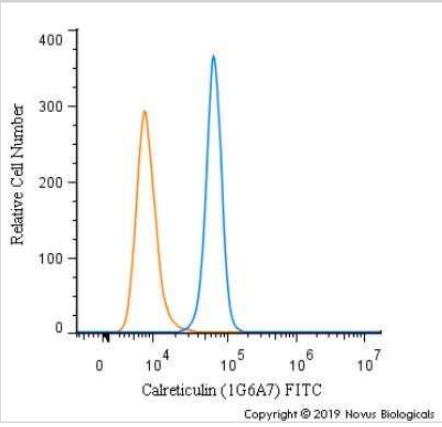


Immunocytochemistry/Immunofluorescence: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - Analysis of SKBR-3 (left) and A549 (right) cells using anti-Calreticulin mAb (green). Actin filaments have been labeled with DY-554 phalloidin (red). DRAQ5 fluorescent DNA dye (blue). Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - Antibody was tested in HeLa cells at a 1:250 against DyLight 488 (Green). Actin was counterstained against Phalloidin 568 (Red) and cells were mounted in DAPI Flouromount (Blue). Image from the standard format of this antibody.



Flow Cytometry: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - An intracellular stain was performed on A431 cells with Calreticulin (1G6A7) Antibody NBP1-47518 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 488. Image from the standard format of this antibody.	
Flow Cytometry: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - An intracellular stain was performed on HeLa cells with Calreticulin Antibody [1G6A7] NBP1-47518AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 647.	
Flow Cytometry: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - An intracellular stain was performed on HeLa cells with Calreticulin Antibody [1G6A7] NBP1-47518APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Allophycocyanin.	
Flow Cytometry: Calreticulin Antibody (1G6A7) - Azide and BSA Free [NBP2-80610] - An intracellular stain was performed on NIH3T3 cells with Calreticulin (1G6A7) Antibody NBP1-47518F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to FITC.	

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NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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