

Product Datasheet

Calreticulin Rabbit Polyclonal Antibody (orb100690)

Catalog Number	orb100690
Category	Antibodies
Description	Calreticulin Rabbit Polyclonal Antibody
Target	CALR
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Predicted Reactivity	Bovine, Canine, Equine, Gallus, Guinea pig, Porcine, Rabbit
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human Calreticulin (101-200/417aa)
UniProt ID	P27797

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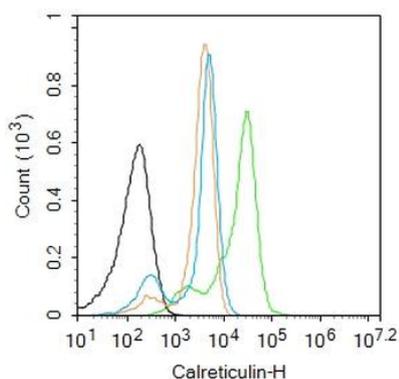
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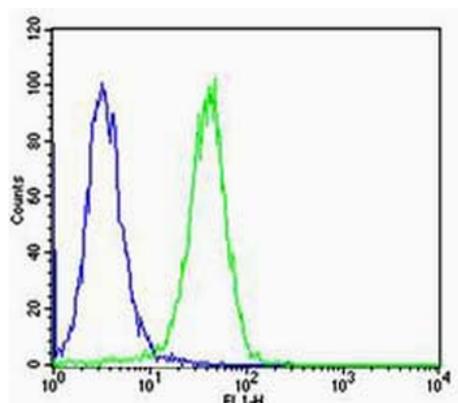
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MW	44 kDa
Tested applications	ELISA, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, ELISA=1:5000-10000
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control: K562. Primary Antibody (green line): Rabbit Anti-Calreticulin antibody (orb100690), Dilution: 2 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-FITC, Dilution: 0.5 µg/test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Cell: HeLa, Concentration: 1:100, Host/Isotype: Rabbit/IgG, Flow cytometric analysis of Rabbit IgG isotype control (Cat#: orb100690) on HeLa (green) compared with control in the absence of primary antibody (blue) followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (H+L) secondary antibody.

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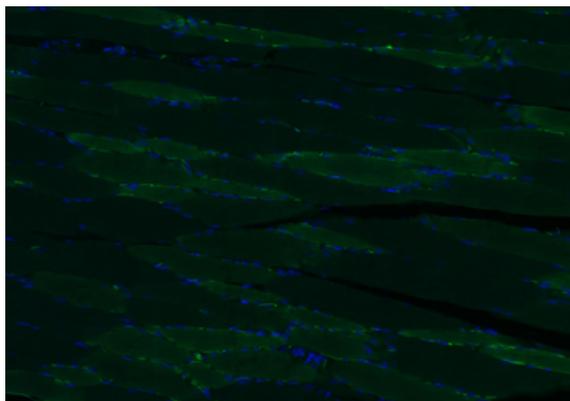
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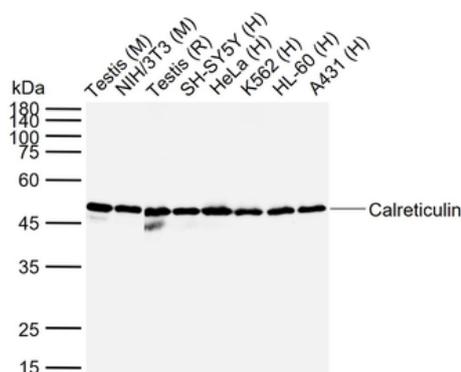
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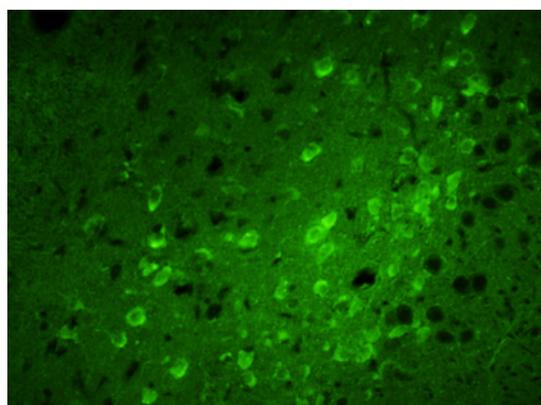
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Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Calreticulin) Polyclonal Antibody, Unconjugated (orb100690) at 1:200 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody for 90 minutes, and DAPI for nuclei staining.



Sample: Lane 1: Mouse Testis tissue lysates, Lane 2: Mouse NIH/3T3 cell lysates, Lane 3: Rat Testis tissue lysates, Lane 4: Human SH-SY5Y cell lysates, Lane 5: Human HeLa cell lysates, Lane 6: Human K562 cell lysates, Lane 7: Human HL-60 cell lysates, Lane 8: Human A431 cell lysates, Primary: Anti-Calreticulin (orb100690) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 44 kDa, Observed band size: 48 kDa.



Tissue/cell: rat brain tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-Calreticulin Polyclonal Antibody, FITC conjugated 1:100, 40 minutes at 37°C.

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