

Product Datasheet

Calnexin Antibody (orb20292)

Catalog Number	orb20292
Category	Antibodies
Description	Goat polyclonal antibody to Calnexin
Target	Calnexin
Clonality	Polyclonal
Species/Host	Goat
Conjugation	Unconjugated
Reactivity	Human, Rat
Predicted Reactivity	Bovine, Canine, Mouse, Porcine
Buffer/Preservatives	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Protein Sequence	SKTPELNLDQFHDKT
RRID	AB_10753874
MW	67.6
Tested applications	ELISA, IF, IHC, WB
Dilution range	ELISA: 1:128000, WB: 0.1-1µg/ml, IHC-P: 5µg/ml, IF/ICC: 10µg/ml

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Application notes

ELISA: Peptide ELISA: antibody detection limit dilution 1:32000.WB: Approx. 100kDa band observed in Mouse Heart, Human Brain (Cerebellum), NIH3T3 and HeLa lysates (calculated MW of 67.6kDa according to Human NP_001737.1 and 67.2kDa according to Mouse NP_001103969.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Oliver et al., J Biol Chem. 1996 Jun 7;271(23):13691-6., PMID: 8662691). Recommended concentration: 0.3-1 µg/ml.

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

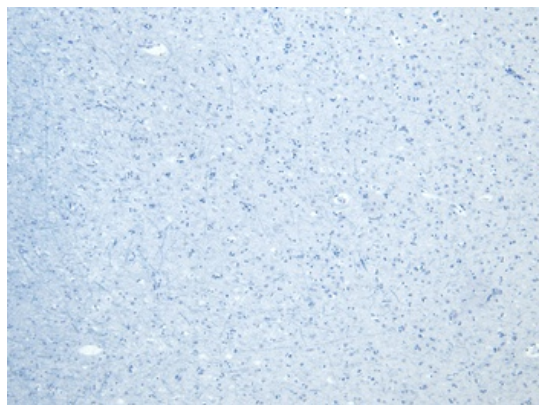
For research use only

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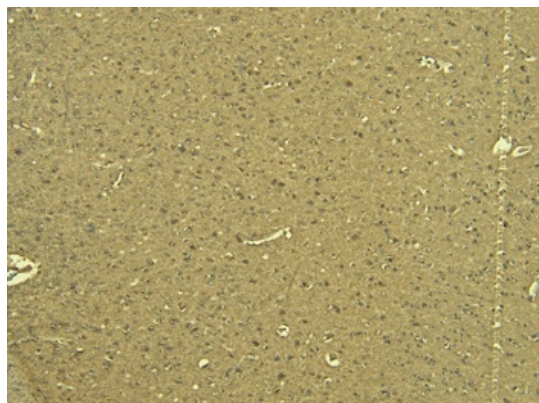
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Expiration Date

12 months from date of receipt.



orb20292 Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.



orb20292 (6µg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

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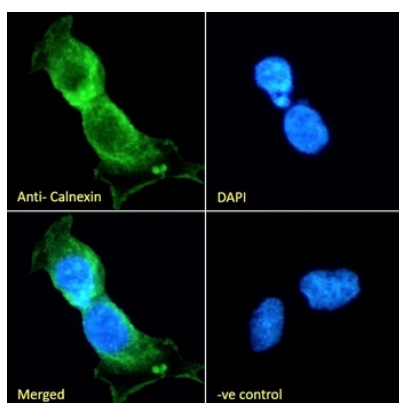
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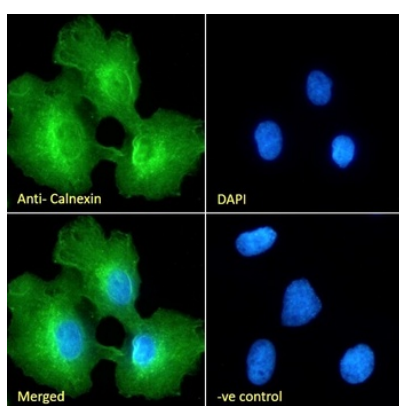
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orb20292 Immunofluorescence analysis of paraformaldehyde fixed LNCaP cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing endoplasmic reticulum and membrane staining.



orb20292 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing endoplasmic reticulum and cytoplasmic staining.



orb20292 (0.5µg/ml) staining of LNCaP (A) and U251 (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

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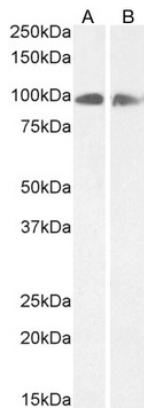
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orb20292 (0.3 μ g/ml) staining of Human Cerebellum (A) and (0.5 μ g/ml) Rat Brain (B) lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



Western blot analysis of Human Cerebellum (A) and Colorectal cancer (B) lysate using Calnexin antibody



Western blot analysis of CaCo-2 (A) and NIH3T3 (B) cell lysate using Calnexin antibody

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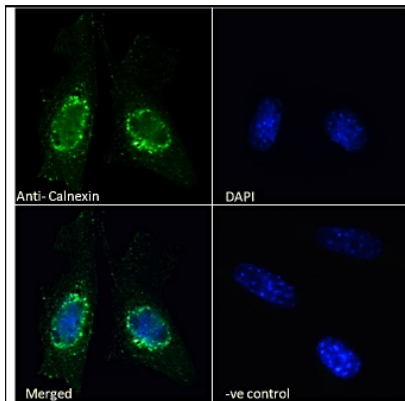
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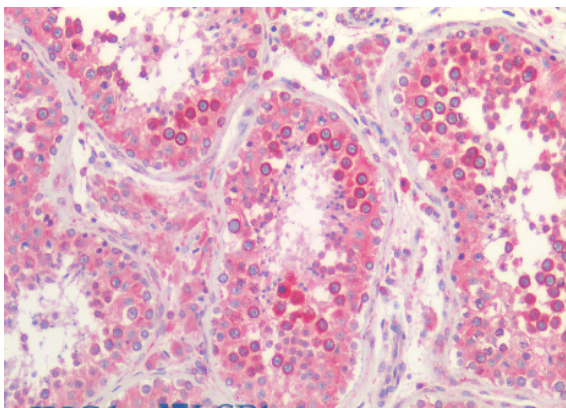
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Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells using Calnexin antibody.



Immunohistochemical staining of Human Testis using Calnexin antibody

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