

Product Datasheet

KDEL Antibody (10C3) - BSA Free NBP1-97469-0.1mg

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-97469-0.1mg

KDEL Antibody (10C3) - BSA Free

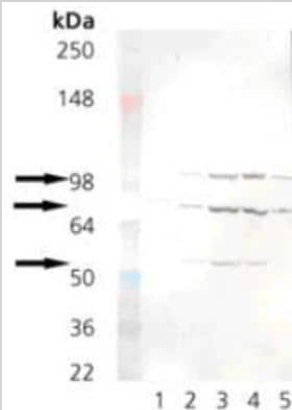
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	10C3
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.2), 50% Glycerol
Target Molecular Weight	94 kDa

Product Description	
Host	Mouse
Gene ID	79070
Gene Symbol	POGLUT2
Species	Human, Mouse, Rat, Avian, Chicken, Invertebrate, Mammal, Plant, Primate, Yeast
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. Chicken reactivity reported in (PMID: 12163544). Primate reactivity reported in (PMID:12368856). Mouse reactivity reported in (PMID: 18547789). Rat reactivity reported in (PMID: 12969271).
Marker	Endoplasmic Reticulum Marker
Immunogen	Synthetic peptide corresponding to aa 649-654 (S649EKDEL654) of rat Grp78.

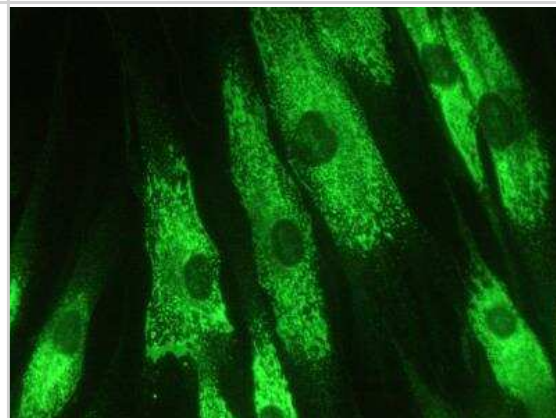
Product Application Details	
Applications	Western Blot, ELISA, Electron Microscopy, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:10 - 1:1000, ELISA, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunoprecipitation, Immunohistochemistry-Paraffin 1:10 - 1:500, Electron Microscopy 1:10 - 1:500
Application Notes	Use in ICC/IF reported in scientific literature (PMID:34576258).

Images

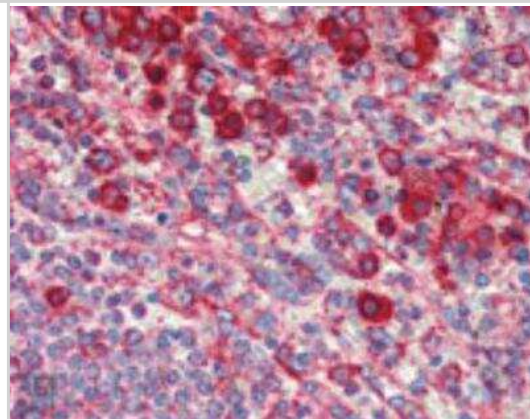
Western Blot: KDEL Antibody (10C3) [NBP1-97469] - Lane 1: Grp78 (BiP) recombinant protein, Lane 2: RK-13, Lane 3: Mouse liver microsomes, Lane 4: Rat liver microsomes, Lane 5: HeLa Cell Lysate (heat shocked).



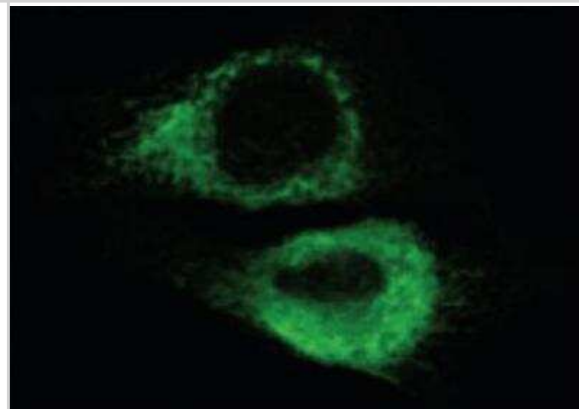
Immunocytochemistry/Immunofluorescence: KDEL Antibody (10C3) [NBP1-97469] - KDEL in human primary fibroblasts. Antibody at 1:600 in PBST, 0.1% triton + 10% DS. O/N incubation at 4C. Donkey anti-mouse Alexa Fluor 488 at 1:500 in PBST, 0.1% triton + 10% DS 1h RT. ICC/IF image submitted by a verified customer review.



Immunohistochemistry-Paraffin: KDEL Antibody (10C3) [NBP1-97469] - Analysis of human spleen tissue stained with KDEL, mAb (10C3) at 10 ug/mL.



Immunocytochemistry/Immunofluorescence: KDEL Antibody (10C3) [NBP1-97469] - Analysis of endoplasmic reticulum staining of mouse C2C12 myoblasts transfected with wild type mouse ADAM12.



Publications

Song Z, Thepsuwan P, Hur WS et al. Regulation of hepatic inclusions and fibrinogen biogenesis by SEL1L-HRD1 ERAD Nature Communications 2024-10-26 [PMID: 39455574]

Xiaoqiong Wei, You Lu, Liangguang Leo Lin, Chengxin Zhang, Xinxin Chen, Siwen Wang, Shuangcheng Alivia Wu, Zexin Jason Li, Yujun Quan, Shengyi Sun, Ling Qi Proteomic screens of SEL1L-HRD1 ER-associated degradation substrates reveal its role in glycosylphosphatidylinositol-anchored protein biogenesis. Nature communications 2024-01-24 [PMID: 38253565]

Wu, SA;Shen, C;Wei, X;Zhang, X;Wang, S;Chen, X;Torres, M;Lu, Y;Lin, LL;Wang, HH;Hunter, AH;Fang, D;Sun, S;Ivanova, MI;Lin, Y;Qi, L; The mechanisms to dispose of misfolded proteins in the endoplasmic reticulum of adipocytes Nature communications 2023-05-30 [PMID: 37253728] (Immunocytochemistry/ Immunofluorescence, Mouse)

Kurosawa K, Nakano M, Yokoseki I et al. ncBAF, a chromatin remodeler, enhances PXR-mediated transcriptional activation in the human and mouse liver bioRxiv 2023-02-05

Jacquier A, Risson V, Simonet T et al. Severe congenital myasthenic syndromes caused by agrin mutations affecting secretion by motoneurons Acta neuropathologica 2022-08-10 [PMID: 35948834] (ICC/IF)

Details:

Dilutions: 1:400

Muroi H, Hori K, Tokutake Y et al. Oleuropein suppresses mitochondrial reactive oxygen species generation possibly via an activation of transient receptor potential V1 and sirtuin-1 in cultured chicken muscle cells Animal science journal = Nihon chikusan Gakkaiho 2022-01-14 [PMID: 35029000] (ICC/IF, Chicken)

Maddineni P, Kasetti RB, Kodati B et al. Sodium 4-Phenylbutyrate Reduces Ocular Hypertension by Degrading Extracellular Matrix Deposition via Activation of MMP9 International journal of molecular sciences 2021-09-18 [PMID: 34576258] (ICC/IF, Mouse)

Coudert L, Osseni A, Gangloff Y Et Al. The ESCRT-0 subcomplex component Hrs/Hgs is a master regulator of myogenesis via modulation of signaling and degradation pathways BMC Biology 2021-12-01 [PMID: 34330273] (ICC/IF)

Wang G, Xu J, Zhao J et al. Arf1-mediated lipid metabolism sustains cancer cells and its ablation induces anti-tumor immune responses in mice Nat Commun 2020-01-10 [PMID: 31924786] (IF/IHC, ICC/IF, Mouse)

Chang MH, Brown MR, Liu Y et al. Cl- and H+ coupling properties and subcellular localizations of wildtype and disease-associated variants of the voltage-gated Cl-/H+ exchanger CIC-5 J. Biol. Chem. 2019-12-18 [PMID: 31852738] (ICC/IF, Human)

Kalainayakan SP, Ghosh P, Dey S et al. Cyclopamine tartrate, a modulator of hedgehog signaling and mitochondrial respiration, effectively arrests lung tumor growth and progression Sci Rep 2019-02-07 [PMID: 30723259] (IHC-P, Mouse)

Hao Y, Chow AW, Yip WC et al. G protein-coupled estrogen receptor inhibits the P2Y receptor-mediated Ca(2+) signaling pathway in human airway epithelia. Pflugers Arch. 2016-06-06 [PMID: 27271044] (ICC/IF, Human)

More publications at <http://www.novusbio.com/NBP1-97469>



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Products Related to NBP1-97469-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
H00079070-P01-10ug	Recombinant Human KDEL GST (N-Term) Protein

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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