

Product Datasheet

ChABC Antibody (1E10) - BSA Free NBP1-96141

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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NBP1-96141

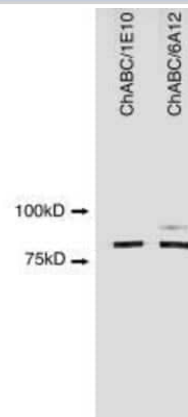
ChABC Antibody (1E10) - BSA Free

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	1E10
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	Tris-Glycine and 0.15M NaCl
Target Molecular Weight	80 kDa
Product Description	
Host	Mouse
Species	Rat, Non-species specific
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 27364797).
Immunogen	Chondroitinase ABC
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:100-1:2000
Application Notes	This ChABC (1E10) antibody is useful for ELISA and Western blot, where a band can be seen at approximately 80 kDa. It can be used in Sandwich ELISA as the detection antibody with catalog # NBP1-96142, ChABC (6A12) as the capture antibody. 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. Western blot data: 125 ng Chondroitinase ABC was mixed with 100 ug of fetal bovine serum (as a background control). The proteins were mixed with 100 ul of non-reducing sample buffer and applied to a single 6 cm well set in a SDS-PAGE minigel (approx 20 ng/well [0.5 cm]). The gel bands were electroblotted to a nitrocellulose sheet. Immunolabeling for individual antibodies was performed on the sheet placed in a slot blot device. Purified NBP1-96141 (ChABC/1E10) and NBP1-96142 (ChABC/6A12) were applied at 5 ug/ml IgG.



Images

Western Blot: ChABC Antibody (1E10) [NBP1-96141] - (ChABC/1E10) and NBP1-96142 (ChABC/6A12). See Notes for additional information.



Publications

Al-Nakouzi N, Wang CK, Oo HZ et al. Reformation of the chondroitin sulfate glycocalyx enables progression of AR-independent prostate cancer Nature communications 2022-08-13 [PMID: 35963852] (IHC-P, Human)

Details:
Supplementary Figure 9

Lu T, Peng W, Liang Y et al. PTEN-silencing combined with ChABC-overexpression in adipose-derived stem cells promotes functional recovery of spinal cord injury in rats Biochemical and Biophysical Research Communications 2020-09-01 [PMID: 32888649] (WB, Rat)

Gao J, Xia B, Li S et al. Magnetic Field Promotes Migration of Schwann Cells with Chondroitinase ABC (ChABC)-Loaded Superparamagnetic Nanoparticles Across Astrocyte Boundary in vitro Int J Nanomedicine 2020-01-20 [PMID: 32021182] (WB)

Wu JH, Li M, Liang Y et al. Migration of Adipose-derived Mesenchymal Stem Cells Stably Expressing Chondroitinase ABC In vitro Chin. Med. J. 2016-07-01 [PMID: 27364797] (WB, Rat)



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Products Related to NBP1-96141

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-96141B	ChABC Antibody (1E10) [Biotin]

Limitations

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