

Product Datasheet

Carbonic Anhydrase XII/CA12 Antibody - BSA Free NBP1-81668

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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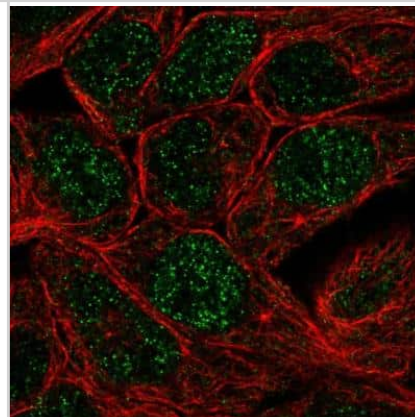


NBP1-81668**Carbonic Anhydrase XII/CA12 Antibody - BSA Free**

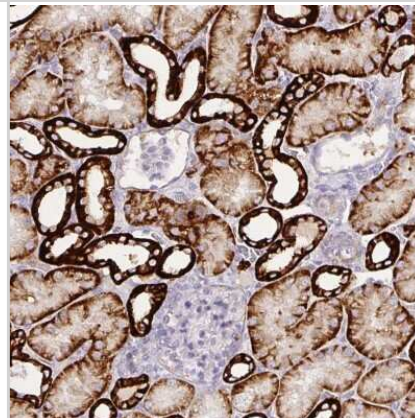
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	771
Gene Symbol	CA12
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (88%). Reactivity reported in scientific literature (PMID: 22016510)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TASNKSEGLAVLAVLIEMGSFNPSYDKIFSHLQHVKYKGQAEFVPGFNIEELLPE RTAEYYRYRGSLTTPPCNPTVLWTVFRNPVQISQEQLLALETALYCTHMDDPS PREMINNFRQVQ
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in (PMID: 26911677)., Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

Immunocytochemistry/Immunofluorescence: Carbonic Anhydrase XII/CA12 Antibody [NBP1-81668] - Staining of human cell line RT4 shows localization to nucleus. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: Carbonic Anhydrase XII/CA12 Antibody [NBP1-81668] - Staining of human kidney shows strong cytoplasmic and membranous positivity in cells in tubules.



Publications

Lee M, Vecchio-Pagan B, Sharma N et al. Loss of carbonic anhydrase XII function in individuals with elevated sweat chloride concentration and pulmonary airway disease Hum. Mol. Genet. 2016-02-23 [PMID: 26911677] (IHC-P, WB, Human)

Vermeulen JF, Kornegoor R, van der Wall E et al. Differential expression of growth factor receptors and membrane-bound tumor markers for imaging in male and female breast cancer. PLoS One. 2013-01-04 [PMID: 23308200] (IF/IHC)

Tafreshi NK, Bui MM, Bishop K et al. Noninvasive detection of breast cancer lymph node metastasis using carbonic anhydrases IX and XII targeted imaging probes. Clin Cancer Res 2012-01-01 [PMID: 22016510]

Vermeulen JF, van Brussel AS, van der Groep P et al. Immunophenotyping invasive breast cancer: paving the road for molecular imaging. BMC Cancer 2012-06-01 [PMID: 22695343]

Davidson B, Stavnes HT, Holth A et al. Gene expression signatures differentiate ovarian/peritoneal serous carcinoma from breast carcinoma in effusions. J Cell Mol Med 2011-03-01 [PMID: 20132413]



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Products Related to NBP1-81668

NBP1-81668PEP	Carbonic Anhydrase XII/CA12 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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