

Datasheet for ABIN1724882
anti-CA9 antibody (AA 37-186)[Go to Product page](#)

5 Images

2 Publications

Overview

Quantity:	0.1 mg
Target:	CA9
Binding Specificity:	AA 37-186
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CA9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human CA9 (AA: 37-186) expressed in E. coli.
Clone:	10F7A8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CA9
Alternative Name:	CA9 (CA9 Products)
Background:	Description: Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes,

Target Details

including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. This gene was mapped to 17q21.2 by fluorescence in situ hybridization, however, radiation hybrid mapping localized it to 9p13-p12. , Aliases: MN, CAIX

Molecular Weight:	49.7 kDa
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Gene ID:	768
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HGNC:	768
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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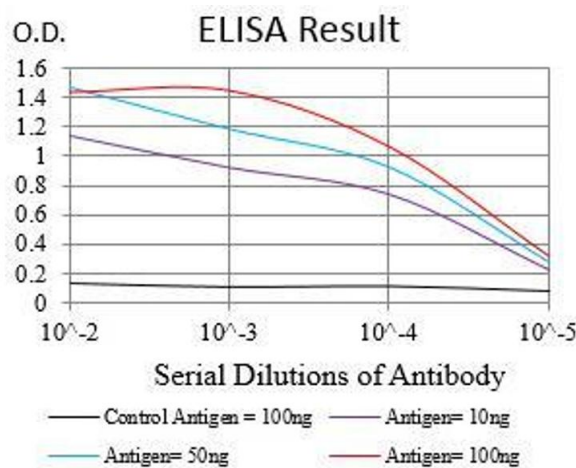
Storage Comment:	4°C, -20°C for long term storage
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Publications

Product cited in:	Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: Familial cancer , Vol. 11, Issue 4, pp. 595-600, (2012) (PubMed).
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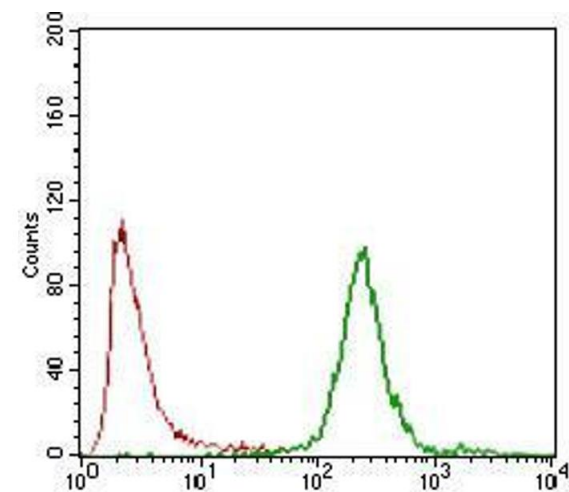
Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with

occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular carcinogenesis**, Vol. 50, Issue 9, pp. 689-96, (2011) ([PubMed](#)).



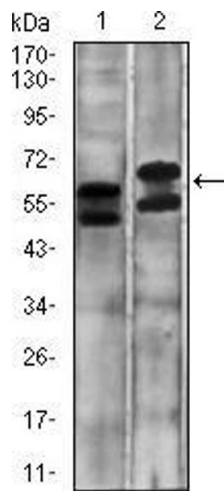
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of NTERA-2 cells using CA9 mouse mAb (green) and negative control (red).



Western Blotting

Image 3. Western blot analysis using CA9 mouse mAb against A431 (1) and SW620 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1724882.