Datasheet for ABIN965733

anti-CA8 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	CA8
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA8 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human CA8(Carbonic anhydrase VIII)
Purification:	Purified by antigen-specific affinity chromatography.

Target Details

Target:	CA8
Alternative Name:	CA8 (CA8 Products)
Background:	CA8(Carbonic anhydrase VIII) was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, Carbonic anhydrase VIII lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). The Carbonic anhydrase VIII continues to carry a carbonic anhydrase designation based on clear sequence

Target Details

	identity to other members of the carbonic anhydrase gene family. The absence of CA8 gene transcription in the cerebellum of the lurcher mutant in mice with a neurologic defect suggests an important role for this acatalytic form. Carbonic anhydrase VIII belongs to the eukaryotic-type carbonic anhydrase family.

Application Details

Application Notes:	ELISA, Western blotting: 1µg/ml for 2hrs.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	This antibody is stored in PBS, 50% glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Publications

Product cited in:	Hirota, Ando, Hamada, Mikoshiba: "Carbonic anhydrase-related protein is a novel binding protein for inositol 1,4,5-trisphosphate receptor type 1." in: **The Biochemical journal**, Vol. 372, Issue Pt 2, pp. 435-41, (2003) (PubMed). Taniuchi, Nishimori, Takeuchi, Fujikawa-Adachi, Ohtsuki, Onishi: "Developmental expression of carbonic anhydrase-related proteins VIII, X, and XI in the human brain." in: **Neuroscience**, Vol. 112, Issue 1, pp. 93-9, (2002) (PubMed). Bergenhem, Sait, Eddy, Shows, Tashian: "Assignment of the gene for human carbonic anhydrase VIII(CA8) to chromosome 8q11-->q12." in: **Cytogenetics and cell genetics**, Vol. 71, Issue 3, pp. 299-300, (1995) (PubMed). Kelly, Nógrádi, Walker, Caddy, Peters, Carter: "Lurching, reeling, waddling and staggering in mice--is carbonic anhydrase (CA) VIII a candidate gene?" in: **Biochemical Society transactions**, Vol. 22, Issue 3, pp. 359S, (1995) (PubMed).

Skaggs, Bergenhem, Venta, Tashian: "The deduced amino acid sequence of human carbonic anhydrase-related protein (CARP) is 98% identical to the mouse homologue." in: **Gene**, Vol. 126, Issue 2, pp. 291-2, (1993) (PubMed).