

Datasheet for ABIN6654758 **anti-CA8 antibody**



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Overview

Quantity:	100 µg
Target:	CA8
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CA8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Full length recombinant human protein was used as the immunogen for the CA8 antibody.
Clone:	CPTC-CA8-2
Isotype:	IgG2a
Purification:	Purified
Purity:	Protein G affinity

Target Details

Target:	CA8
Alternative Name:	CA8 / Carbonic Anhydrase VIII (CA8 Products)
Background:	The protein encoded by this gene was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, the gene product lacks carbonic

Target Details

anhydrase activity (i.e., the reversible hydration of carbon dioxide). The gene product continues to carry a carbonic anhydrase designation based on clear sequence 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. Mutations in CA8 (carbonic anhydrase 8) gene causes neuropathology, such as ataxia, mild mental retardation and the predisposition to quadrupedal gait. It is also associated with the development of colorectal and lung cancers. Additionally, it is upregulated in various cancers.

Application Details

Application Notes:	Optimal dilution of the CA8 antibody should be determined by the researcher. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT,Prediluted IHC only format: incubate for 30 min at RT (1)
Restrictions:	For Research Use only

Handling

Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
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:	4 °C,-20 °C
Storage Comment:	Store the CA8 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).