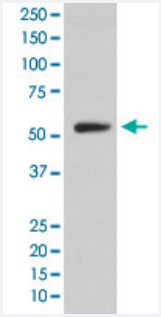
CA9 monoclonal antibody, clone EFE-3

Catalog # MAB19682 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human stomach tissue lysate with CA9 monoclonal antibody, clone EFE-3 (Cat # MAB19682).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CA9.
Immunogen	A synthetic peptide corresponding to human CA9.
Host	Rabbit
Theoretical MW (kDa)	49.698
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunoprecipitation
- Western Blot (Tissue lysate)

  Western Blot analysis of human stomach tissue lysate with CA9 monoclonal antibody, clone EFE-3 (Cat # MAB19682).

Gene Info — CA9

Entrez GeneID	768
Protein Accession#	Q16790
Gene Name	CA9
Gene Alias	CAIX, MN
Gene Description	carbonic anhydrase IX
Omim ID	603179
Gene Ontology	Hyperlink
Gene Summary	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, including respir ation, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cer ebrospinal 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 car bonic 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. [provided by RefSeq
Other Designations	OTTHUMP00000022773|RCC-associated protein G250|carbonic dehydratase

Pathway

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- Nitrogen metabolism

Disease

- Alzheimer disease
- Carcinoma
- Cardiovascular Diseases
- Cerebral Amyloid Angiopathy
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Kidney Neoplasms
- Neoplasm Recurrence
- Neoplasms
- Neuroblastoma

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