

Anti-Carbonic Anhydrase 13 Antibody

Catalog # AP60848

Product Information

Application	WB, IHC
Primary Accession	Q8N1Q1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29443

Additional Information

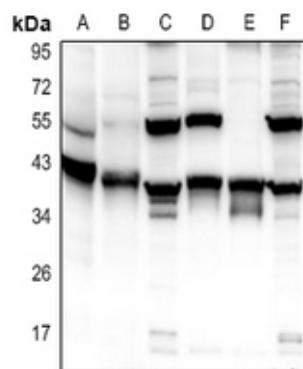
Gene ID	377677
Other Names	Carbonic anhydrase 13; Carbonate dehydratase XIII; Carbonic anhydrase XIII; CA-XIII
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Carbonic Anhydrase 13. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/2000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

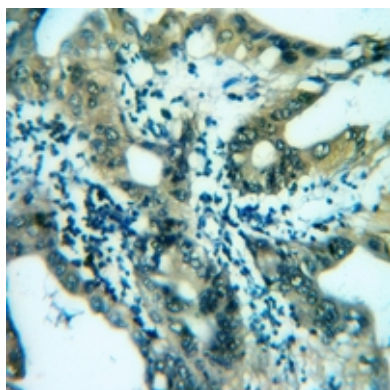
Name	CA13
Function	Catalyzes the reversible conversion of carbon dioxide to hydrogencarbonate/bicarbonate and thus is essential in the regulation of pH and metabolic processes.
Cellular Location	Cytoplasm, cytosol {ECO:0000250 UniProtKB:Q9D6N1}
Tissue Location	Expressed in thymus, small intestine, spleen, prostate, ovary, colon and testis.

Images

Western blot analysis of Carbonic Anhydrase 13 expression in mouse lung (A), rat liver (B), AML12 (C), C6



(D), U87MG (E), Hela (F) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 35 kD)



Immunohistochemical analysis of Carbonic Anhydrase 13 staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.