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Carbonic Anhydrase 1 Antibody

Rabbit mAb
Catalog # AP91913

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	P00915
Reactivity	Rat, Human, Mouse, Zebrafish
Clonality	Monoclonal
Other Names	CA-I; Carbonic anhydrase B; CAB; Car1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	28870

Additional Information

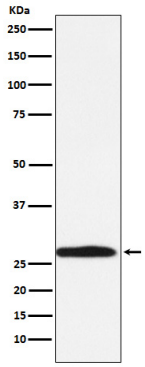
Dilution	WB 1:1000~1:5000 IHC 1:50~1:200 ICC/IF 1:100~1:500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Carbonic Anhydrase 1
Description	Reversible hydration of carbon dioxide. Can hydrates cyanamide to urea.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CA1
Function	Catalyzes the reversible hydration of carbon dioxide (PubMed: 10550681, PubMed:16506782, PubMed:16686544, PubMed:16807956, PubMed:17127057, PubMed:17314045, PubMed:17407288, PubMed:19186056, PubMed:19206230, PubMed:4994926). Can hydrate cyanamide to urea (PubMed:10550681).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:B0BNN3}.

Images

Western blot analysis of Carbonic Anhydrase 1 expression in K562 cell lysate.



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