

Recombinant Human Carbonic anhydrase 2(CA2)

Catalog No: #AP70104

Package Size: #AP70104-1 20ug #AP70104-2 100ug #AP70104-3 1mg

Description

Product Name	Recombinant Human Carbonic anhydrase 2(CA2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-260aaSequence Info:Full Length of BC011949
Other Names	Carbonate dehydratase II;Carbonic anhydrase C ;CAC;Carbonic anhydrase II ;CA-II
Accession No.	P00918
Calculated MW	45.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SHHWGYGKHNGPEHWHKDFPIAKGERQSPVDIDHTAKYDPSLKPLSVSYDQATSLRILNNGHAFNVEFDDSDQKAVLKGGPLDGTYRLIQHFHWGSLDGQGSEHTVDKKKYAAELHLVHWNTKYGDFGKAVQQPDGLAVLGIFLKVGSAKPLQKVVDVLSIKTKGKSADFTNFAARGLLPESLDYWTYPGSLTTPPLLECVTWIVLKEPISVSS EQVLKFRKLNFNNGEGEPEELMVDNWRPAQPLKNRQIKASFK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Essential for bone resorption and osteoclast differentiation . Reversible hydration of carbon dioxide. Can hydrate cyanamide to urea. Involved in the regulation of fluid secretion into the anterior chamber of the eye. Contributes to intracellular pH regulation in the duodenal upper villous epithelium during proton-coupled peptide absorption. Stimulates the chloride-bicarbonate exchange activity of SLC26A6.3 Publications

References

Nucleotide sequence of human liver carbonic anhydrase II cDNA.Montgomery J.C., Venta P.J., Tashian R.E., Hewett-Emmett D.Nucleic Acids Res. 15:4687-4687(1987)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.