

DNAxPAb

Hard-to-Find
Antibody

CA5B DNAxPab

Catalog # H00011238-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CA5B DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MVVMNSLRVILQASPGKLLWRKFQIPRFMPARPCSLYCTYKTRNRALHPLWESVDLVPGGDRQ SPINIRWRDSVYDPGLKPLTISYDPATCLHVWNNGYSFLVEFEDSTDKSVIKGGPLEHNYRLKQFH FHWGAIDAWGSEHTVDSKCFPAELHLVHWNVRFENFEDAALVIGVFLKLGKHHKELQ KLVDTLPSIKHKDALVEFGSFDPSCLMPTCPDYWTYSGSLTTPPLSESVTWIHKQPVEVDHDQLE QFRTLLFTSEGEKEKRMVDNFRPLQPLMNRTVRSSFRHDYVLNVQAKPKPATSQATP
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CA5B

Entrez GeneID [11238](#)**GeneBank Accession#** [NM_007220.3](#)**Protein Accession#** [NP_009151.1](#)**Gene Name** CA5B**Gene Alias** CA-VB, MGC39962**Gene Description** carbonic anhydrase VB, mitochondrial**Omim ID** [300230](#)**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 respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA VB is localized in the mitochondria and shows the highest sequence similarity to the other mitochondrial CA, CA VA. It has a wider tissue distribution than CA VA, which is restricted to the liver. The differences in tissue distribution suggest that the two mitochondrial carbonic anhydrases evolved to assume different physiologic roles. [provided by RefSeq]

Other Designations carbonic dehydratase

Pathway

- [Nitrogen metabolism](#)