

Rabbit CA5B Polyclonal Antibody | anti-CA5B antibody

CA5B Antibody (C-term)

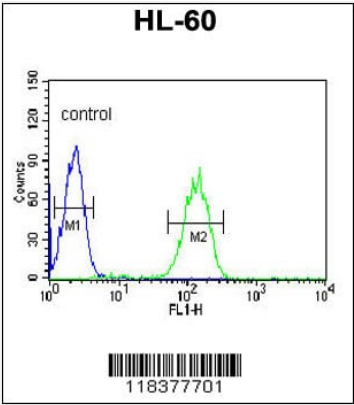
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286284	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

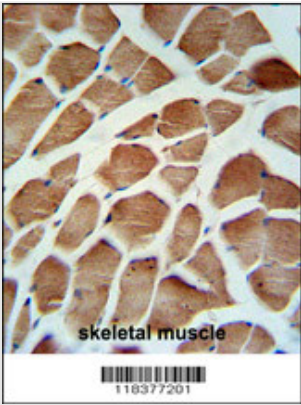
CA5B; Polyclonal Antibody; CA5B Antibody (C-term); Carbonic anhydrase 5B; mitochondrial; Carbonate dehydratase VB; Carbonic anhydrase VB; CA-VB; anti-CA5B antibody

PRODUCT SPECIFICATIONS

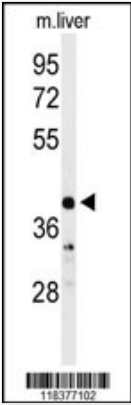
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CA5B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 253-283 amino acids from the C-terminal region of human CA5B.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	253-283
Sequence Length	317
Applicable Applications for anti-CA5B antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CA5B Antibody (C-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CA5B Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CA5B Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CA5B Antibody (C-term) in mouse liver tissue lysates (35ug/lane). CA5B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CA5B antibody	CA5B belongs a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. This protein is localized in the mitochondria and shows the highest sequence similarity to the other mitochondrial CA, CA VA. The protein has a wider tissue distribution than CA VA, which is restricted to the liver.
Product Categories/Family for anti-CA5B antibody	Metabolism; Signal Transduction
References	Vullo,D., Nishimori,I. Bioorg. Med. Chem. Lett. 17 (5), 1336-1340 (2007) Shah,G.N. Proc. Natl. Acad. Sci. U.S.A. 97 (4), 1677-1682 (2000) Fujikawa-Adachi,K. J. Biol. Chem. 274 (30), 21228-21233 (1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005723
NCBI GeneID	11238
NCBI Accession #	NP_009151.1
NCBI GenBank Nucleotide #	NM_007220.3
UniProt Accession #	Q9Y2D0; A8K4T5

Molecular Weight	36434
NCBI Official Full Name	carbonic anhydrase 5B, mitochondrial
NCBI Official Synonym Full Names	carbonic anhydrase VB, mitochondrial
NCBI Official Symbol	CA5B
NCBI Official Synonym Symbols	CA-VB
NCBI Protein Information	carbonic anhydrase 5B, mitochondrial
UniProt Protein Name	Carbonic anhydrase 5B, mitochondrial
UniProt Gene Name	CA5B
UniProt Synonym Gene Names	CA-VB
UniProt Entry Name	CAH5B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ca5b-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286284>