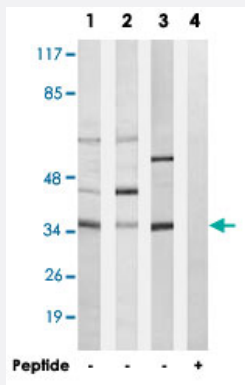


CA5A polyclonal antibody

Catalog # PAB17649 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from A-549 cells (Lane 1), LoVo cells (Lane 2) and K-562 cells (Lane 3 and lane 4), using CA5A polyclonal antibody (Cat # PAB17649).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CA5A.
Immunogen	A synthetic peptide corresponding to internal of human CA5A.
Host	Rabbit
Reactivity	Human
Specificity	This antibody detects endogenous levels of total CA5A protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from A-549 cells (Lane 1), LoVo cells (Lane 2) and K-562 cells (Lane 3 and lane 4), using CA5A polyclonal antibody (Cat # PAB17649).
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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CA5A

Entrez GeneID	763
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Protein Accession#	P35218
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Gene Name	CA5A
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Gene Alias	CA5, CAV, CAVA
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Gene Description	carbonic anhydrase VA, mitochondrial
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Omim ID	114761
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Gene Ontology	Hyperlink
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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 VA is localized in the mitochondria and expressed primarily in the liver. It may play an important role in ureagenesis and gluconeogenesis. CA5A gene maps to chromosome 16q24.3 and an unprocessed pseudogene has been assigned to 16p12-p11.2. [provided by RefSeq]
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Other Designations	carbonic anhydrase V, mitochondrial carbonic dehydratase
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Pathway

- [Nitrogen metabolism](#)