

DNAXPAb

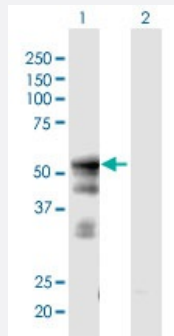
Hard-to-Find
Antibody

CA4 DNAXPab

Catalog # H00000762-W01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CA4 expression in transfected 293T cell line by CA4 DNAXPab polyclonal antibody.

Lane 1: CA4 transfected lysate(50.38 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a partial-length human CA4 DNA using DNAX™ Immune technology.

Technology

[DNAX™ Immune](#)

Immunogen

CA4 (NP_000708.1, 19 a.a. ~ 284 a.a) partial-length human DNA

Sequence

AESHWCYEVQAESSNYPCLVPVKWGGNCQKDRQSPINIVTTKAKVDKKLGRFFFSGYDKKQTW
TVQNNGHSMMLLENKASISGGGLPAPYQAKQLHLHWSLDPYKGSEHSLDGEHFAMEMHIVHEK
EKGTSRNVKEAQDPEDIEAVLAFLVEAGTQVNEGFQPLVEALSNIKPEMSTTMAESSLLDLLPK
EEKLRHYFRYLGSLLTPTCDEKVVWTVFREPIQLHREQILAFSQKLYDKEQTVSMKDNVRPLQQL
GQRTVIKS

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.

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[Protocol Download](#)

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

Gene Info — CA4

Entrez GeneID [762](#)

GeneBank Accession# [NM_000717.2](#)

Protein Accession# [NP_000708.1](#)

Gene Name CA4

Gene Alias CAIV, Car4, RP17

Gene Description carbonic anhydrase IV

Omim ID [114760 600852](#)

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. This gene encodes a glycosylphosphatidylinositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary (and certain other) capillaries and proximal renal tubules. Its exact function is not known; however, it may have a role in inherited renal abnormalities of bicarbonate transport. [provided by RefSeq]

Other Designations carbonic dehydratase|retinitis pigmentosa 17 (autosomal dominant)

Pathway

- [Nitrogen metabolism](#)

Disease

- [Retinal Diseases](#)