

CA4 Antibody

Catalog No: #31046

Package Size: #31046-1 50ul #31046-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	CA4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CA4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 19-284 amino acids of Human Carbonic anhydrase 4
Target Name	CA4
Other Names	Carbonic anhydrase 4, CAIV, Car4, RP17
Accession No.	Swiss-Prot:P22748Gene ID:762;
Uniprot	P22748
GeneID	762;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

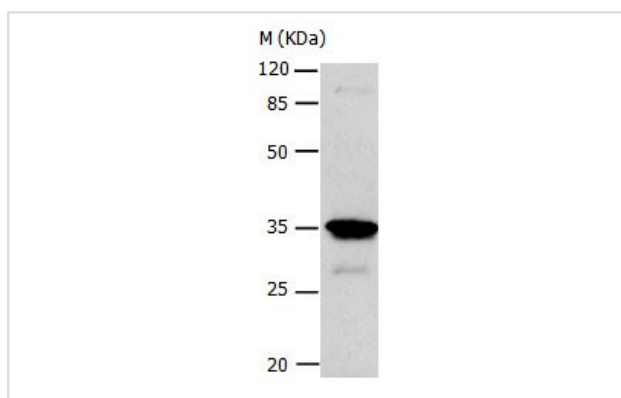
Application Details

Predicted MW: 35kd

ELISA: 1:1000-1:5000

Western blotting: 1:200-1:1000

Images



Gel: 10%SDS-PAGE

Lysate: 30 µg Human fetal lung tissue lysate

Primary antibody: 1/500 dilution

Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/3000 dilution

Exposure time: 40 seconds

Background

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 glycosylphosphatidyl-inositol-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.

Note: This product is for in vitro research use only