

Mouse anti-Rat Carbonic Anhydrase IV (CA4) Monoclonal Antibody | anti-CA4 antibody

Monoclonal Antibody to Carbonic Anhydrase IV (CA4)

CATALOG # AAA152755	HOST Mouse	REACTIVITY Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Carbonic Anhydrase IV (CA4); Monoclonal Antibody; Monoclonal Antibody to Carbonic Anhydrase IV (CA4); Carbonic Anhydrase IV; CA-IV; CAIV; Car4; RP17; Retinitis Pigmentosa 17(Autosomal Dominant); Carbonate dehydratase IV; anti-CA4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	IgG2b Kappa
Clone Number	C1
Specificity	The antibody is a mouse monoclonal antibody raised against CA4. It has been selected for its ability to recognize CA4 in immunohistochemical staining and western blotting.
Purity/Purification	Protein A + Protein G affinity chromatography
Form/Format	Liquid. 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Concentration	1mg/mL (varies by lot)
Sequence Positions	Ser20~Ser220
Applicable Applications for anti-CA4 antibody	WB (Western Blot)
Immunogen	Recombinant Carbonic Anhydrase IV (CA4)
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. Stable for 12 months if correctly stored. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



WB (Western Blot)

Western Blot; Sample: Rat Lung lysate Primary Ab: 0.2ug/ml Mouse Anti-Rat CA4 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



WB (Western Blot)

Western Blot; Sample: Rat CerebuM lysate; Primary Ab: 2ug/ml Mouse Anti-Rat CA4 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-CA4 antibody	Monoclonal Antibodies (Primary Abs); Monoclonal antibodies; Enzyme & Kinase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9506449
NCBI GeneID	29242
NCBI Accession #	NP_062047.1
NCBI GenBank Nucleotide #	NM_019174.3
UniProt Accession #	P48284; Q4QR97
Molecular Weight	35,076 Da
NCBI Official Full Name	carbonic anhydrase 4
NCBI Official Synonym Full Names	carbonic anhydrase 4
NCBI Official Symbol	Car4
NCBI Official Synonym Symbols	Ca4
NCBI Protein Information	carbonic anhydrase 4
UniProt Protein Name	Carbonic anhydrase 4
UniProt Gene Name	Ca4
UniProt Synonym Gene Names	CA-IV

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/monoclonal/carbonic-anhydrase-iv-ca4-antibody-clone-c1-western-blot-elisa/152755>