

Rabbit anti-Mouse, Rat CDKN2AIP/CARF Polyclonal Antibody | anti-CDKN2AIP/CARF antibody

Anti-CDKN2AIP/CARF Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128232	Rabbit	Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

CDKN2AIP/CARF; Polyclonal Antibody; Anti-CDKN2AIP/CARF Antibody Picoband; Calcium-responsive transcription factor; calcium response factor; Carf; Als2cr8; Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 8 protein; Calcium-response factor; CaRF; anti-CDKN2AIP/CARF antibody

PRODUCT SPECIFICATIONS

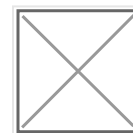
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-CDKN2AIP/CARF antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived mouse CDKN2AIP/CARF recombinant protein (Position: R183-T689). Human CDKN2AIP/CARF shares 78.3% and 88.1% amino acid (aa) sequence identity with human and rat CDKN2AIP/CARF, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of NIH/3T3 cells using anti-CDKN2AIP/CARF antibody (AAA128232).Overlay histogram showing NIH/3T3 cells stained with AAA128232 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CDKN2AIP/CARF Antibody (AAA128232, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of CDKN2AIP/CARF using anti-CDKN2AIP/CARF antibody (AAA128232).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat brain tissue lysates,Lane 2: rat lung tissue lysates,Lane 3: rat kidney tissue lysates,Lane 4: mouse brain tissue lysates,Lane 5: mouse lung tissue lysates,Lane 6: mouse kidney tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CDKN2AIP/CARF antigen affinity purified polyclonal antibody (AAA128232) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CDKN2AIP/CARF at approximately 75 kDa. The expected band size for CDKN2AIP/CARF is at 61 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN2AIP/CARF antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-CDKN2AIP/CARF antibody	Primary Antibodies
References	1. Tao, X., West, A. E., Chen, W. G., Corfas, G., Greenberg, M. E. A calcium-responsive transcription factor, CaRF, that regulates neuronal activity-dependent expression of BDNF. Neuron 33: 383-395, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	550822422
NCBI GeneID	241066
NCBI Accession #	NP_001272402.1
NCBI GenBank Nucleotide #	NM_001285473.1
UniProt Accession #	Q8VHI4; B2RRZ9
Molecular Weight	76,397 Da
NCBI Official Full Name	calcium-responsive transcription factor isoform 3
NCBI Official Synonym Full Names	calcium response factor
NCBI Official Symbol	Carf
NCBI Official Synonym Symbols	Als2cr8; ECBRC-FC1; ECBRC-FC2
NCBI Protein Information	calcium-responsive transcription factor; calcium-response factor CaRF; amyotrophic lateral sclerosis 2 chromosomal region candidate gene 8 protein homolog
UniProt Protein Name	Calcium-responsive transcription factor
UniProt Gene Name	Carf
UniProt Synonym Gene Names	Als2cr8; CaRF
UniProt Entry Name	CARTF_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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