BOSTER
antibody and ELISA experts

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Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody

Catalog Number: M02217-2

About AMACR

LGR4, also known as leucine-rich repeat-containing G protein-coupled receptor 4, is a G protein-coupled receptors (GPCRs). GPCRs are membrane bound proteins that play key roles in a variety of physiologic functions. Members of the leucine-rich GPCR (LGR) family, such as GPR48, have multiple N-terminal leucine-rich repeats (LRRs) and a 7-transmembrane domain. LGR4 is an orphan GPCR reported to be expressed in steroidogenic tissues such as placenta, ovary, testis, adrenal, pancreas, prostate, and thyroid, as well as in spinal cord, stomach, heart, and kidney.

Overview

Product Name	Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody catalog # M02217-2. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal 4A12
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q9UHK6

Technical Details

Immunogen	Synthetic Peptide
Predicted Reactive Species	Chimpanzee, Macaque
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

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	kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:1000 IHC 1:200

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Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody (M02217-2) Images

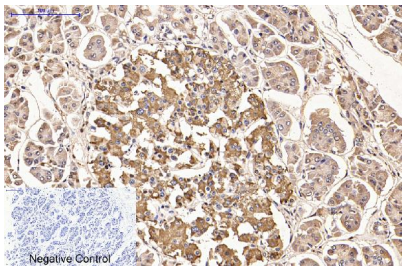

Figure 2. Immunohistochemistry validation of AMACR using Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody (M02217-2).

Immunohistochemical analysis of human-stomach-cancer tissue. Anti-AMACR at 1:200 (4°C

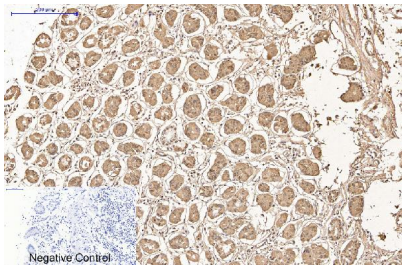

Figure 3. Immunohistochemistry validation of AMACR using Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody (M02217-2).

Immunohistochemical analysis of human stomach tissue. Anti-AMACR at 1:200 (4°C

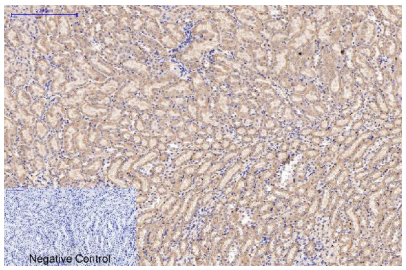

Figure 4. Immunohistochemistry validation of AMACR using Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody (M02217-2).

Immunohistochemical analysis of mouse kidney tissue. Anti-AMACR at 1:200 (4°C

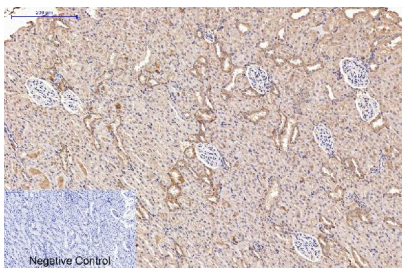

Figure 5. Immunohistochemistry validation of AMACR using Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody (M02217-2).

Immunohistochemical analysis of rat kidney tissue. Anti-AMACR at 1:200 (4°C

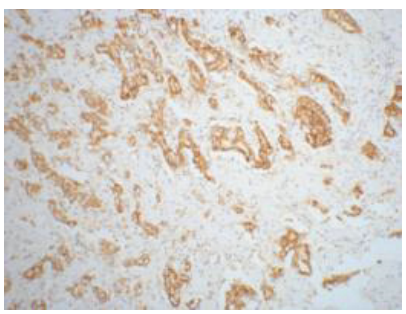

Figure 6. Immunohistochemistry validation of AMACR using Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody (M02217-2).

Immunohistochemistry (IHC) staining of Mouse prostate adenocarcinoma tissue

Figure 1. Western blotting validation for Anti-Alpha-methylacyl-CoA racemase AMACR Monoclonal Antibody M02217-2

Western blot (WB) analysis of AMACR monoclonal antibody.

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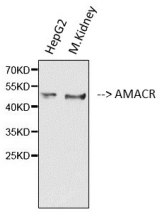

Western Blot (WB) analysis of 1. HepG2 2. Mouse kidney cells using AMACR Monoclonal Antibody. (STJ96949)

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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