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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB12539 - Goat Anti-AMACR (aa312-326) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: AMACR, alpha-methylacyl-CoA racemase, AMACRD, CBAS4, RACE, RM, 2-methylacyl-CoA racemase

Official Symbol: AMACR

Accession Number(s): NP_055139.4; NP_001161067.1

Human GeneID(s): [23600](#)

Immunogen

Peptide with sequence C-RGSFITSEEQDVSPR, from the internal region of the protein sequence according to NP_055139.4; NP_001161067.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Approx 40-42kDa band observed in Human Kidney, Liver and Colorectal cancer lysates, and in lysates of cell line CaCo-2, and approx 40.45kDa band observed in lysates of cell line LNCaP (calculated MW of 42.4kDa according to NP_055139.4) and 43.9kDa according to .NP_001161067.1) Recommended concentration: 0.03-1µg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

EB12539 (1µg/ml) staining of CaCo-2 (A) and (0.1ug/ml) LNCaP (B) cell lysate (35µg protein in RIPA buffer).
Detected by chemiluminescence.

EB12538 (0.03µg/ml) staining of Human Kidney (A), (0.1ug/ml) Liver (B) and (1ug/ml) Colorectal cancer (C)
lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB12539 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH
6, AP-staining.