

Goat anti-AMACR (aa312-326) Antibody

Item Number dAP-3165

Target Molecule Principle Name: AMACR (aa312-326); Official Symbol: AMACR; All Names and Symbols: AMACR; alpha-methylacyl-CoA racemase; AMACRD; CBAS4; RACE; RM; 2-methylacyl-CoA racemase; Accession Number (s): NP_055139.4; NP_001161067.1; Human Gene ID(s): 23600; Non-Human GeneID(s):

Immunogen RGSFITSEEQDVSPR, is from internal region
This antibody is expected to recognize isoform 1 (NP_055139.4) and isoform 3 (NP_001161067.1).

Applications Pep ELISA, WB

Species Tested: Human

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

Supplied As lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.

Peptide ELISA Peptide ELISA: antibody detection limit dilution 1 to 64000.

Western Blot Western Blot: Approx 45kDa band observed in Human Kidney and Liver lysates (calculated MW of 42.4kDa according to NP_055139.4). Recommended concentration: 0.1-0.3µg/ml.

IHC

Reference Reference(s): Wilson BA, Wang H, Nacev BA, Mease RC, Liu JO, Pomper MG, Isaacs WB. High-throughput screen identifies novel inhibitors of cancer biomarker α -methylacyl coenzyme A racemase (AMACR/P504S). Molecular cancer therapeutics 2011 May 10 (5): 825-38..PMID: 21441411->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**