ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Goat anti-CA1 Antibody

Item Number	dAP-1846
Target Molecule	Principle Name: CA1; Official Symbol: CA1; All Names and Symbols: CA1; carbonic anhydrase I; Car1; carbonic dehydratase; Accession Number (s): NP_001729.1; Human Gene ID(s): 759; Non-Human GeneID (s): 12346 (mouse) 310218 (rat)
Immunogen	QAIKTKGKRAP, is from internal region Reported variants represent identical protein: NP_001729.1, NP_001122303.1, NP_001122302.1, NP_001122301.1.
Applications	Pep ELISA, WB, IHC 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; Reconsititute 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 29kDa band observed in Human Liver lysates (calculated MW of 28.9kDa according to NP_001729.1. Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: Paraffin embedded Human Spleen. Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Gambhir KK, Ornasir J, Headings V, Bonar A, Decreased total carbonic anhydrase esterase activity and decreased levels of carbonic anhydrase 1 isozyme in erythrocytes of type II diabetic patients. Biochemical genetics 2007 Jun 45 (5-6): 431-9..PMID: 17464559->

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 ender users! This product is sold for Research Use Only

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