

Goat anti-ACO1 / Aconitase 1 Antibody

Item Number	dAP-1598
Target Molecule	Principle Name: ACO1 / Aconitase 1; Official Symbol: ACO1; All Names and Symbols: ACO1; aconitase 1, soluble; ACONS; IREB1; IREBP; IREBP1; IRP1; OTTHUMP00000021176; OTTHUMP00000021177; OTTHUMP00000045233; aconitase 1; aconitate hydratase; citrate hydro-lyase; ferritin repressor protein; iron regulatory protein 1; iron-responsive element; Accession Number (s): NP_002188.1; Human Gene ID(s): 48; Non-Human GeneID(s): 11428 (mouse) 50655 (rat)
Immunogen	QVDFNRRADSLQKNQ, is from internal region
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 8000.
Western Blot	Western Blot: Approx 100kDa band observed in Human Liver lysates (calculated MW of 98.4kDa according to NP_002188.1). Recommended concentration: 0.1-0.3µg/ml.
IHC	
Reference	Reference(s): Wang W, Di X, D'Agostino RB, Torti SV, Torti FM, Excess capacity of the iron regulatory protein system. The Journal of biological chemistry 2007 Aug 282 (34): 24650-9..PMID: 17604281->

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**