

Goat anti-SUR1 / ABCC8 Antibody

Item Number	dAP-1554
Target Molecule	Principle Name: SUR1 / ABCC8; Official Symbol: ABCC8; All Names and Symbols: ABCC8; SUR1; ATP-binding cassette, sub-family C (CFTR/MRP), member 8; ABC36; HHF1; HI; HRINS; MRP8; PHHI; SUR; TNDM2; ATP-binding cassette, sub-family C, member 8; sulfonylurea receptor (hyperinsulinemia); Accession Number (s): NP_000343.2; Human Gene ID(s): 6833; Non-Human GenelD(s): 20927 (mouse) 25559 (rat)
Immunogen	EFDKPEKLLSRKD, is from C Terminus
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 170kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 177kDa according to NP_000343.2). Recommended concentration: 0.5-1.5µg/ml. An additional band of unknown identity was also consistently observed at 23kDa. This
IHC	
Reference	Reference(s): de Wet H, Rees MG, Shimomura K, Aittoniemi J, Patch AM, Flanagan SE, Ellard S, Hattersley AT, Sansom MS, Ashcroft FM. Increased ATPase activity produced by mutations at arginine-1380 in nucleotide-binding domain 2 of ABCC8 causes neonatal diabetes. Proc Natl Acad Sci U S A. 2007 Nov

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**