

Goat anti-CABP1 Antibody

Item Number	dAP-0108
Target Molecule	Principle Name: CABP1; Official Symbol: CABP1; All Names and Symbols: CABP1; CALBRAIN; HCALB_BR; calcium binding protein 1 (calbrain); calbrain; calcium binding protein 5; calcium binding protein 1 calbrain; caldendrin; Accession Number (s): NP_112482.1; NP_004267.2; Human Gene ID(s): 9478; Non-Human GeneID(s):
Immunogen	GNCVKYPLRNLS, is from N Terminus This antibody is expected to recognise both Human isoforms.
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 32000.
Western Blot	Western Blot: Approx 20kDa band seen in human brain lysate (predicted MW 19kDa). Recommended for use at 0.5-2µg/ml.
IHC	
Reference	Reference(s): Yamaguchi K, Yamaguchi F, Miyamoto O, Sugimoto K, Konishi R, Hatase O, Tokuda M. Calbrain, a novel two EF-hand calcium-binding protein that suppresses Ca ²⁺ /calmodulin-dependent protein kinase II activity in the brain. J Biol Chem 1999 Feb 5;274(6):3610-6. PMID: 9920909->

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**