

Goat anti-calbindin D28 Antibody

Item Number	dAP-2729
Target Molecule	Principle Name: calbindin D28; Official Symbol: CALB1; All Names and Symbols: CALB1; calbindin 1, 28kDa; CALB; D-28K; OTTHUMP00000166027; OTTHUMP00000225441; RTVL-H protein; calbindin; calbindin 1, (28kD); calbindin D28; vitamin D-dependent calcium-binding protein, avian-type; Accession Number (s): NP_004920.1; Human Gene ID(s): 793; Non-Human GeneID(s): 83839 (rat)
Immunogen	KTFVDQYGQRDDGK, is from internal region Immunizing peptide overlaps EF hand 2, but not any calcium binding site.
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat
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 128000.
Western Blot	Western Blot: Approx 26kDa band observed in Human Brain (Cerebellum) lysates and in Mouse and Rat total Brain lysates (calculated MW of 30.0kDa according to NP_004920.1). The observed molecular weight corresponds to earlier findings in literature with di
IHC	Immunohistochemistry: Frozen sections of Human Hypothalamus shows staining of Calbinding D2 neurons. Recommended concentration, 0.1-0.3µg/ml.
Reference	Reference(s): Kusakabe KT, Abe H, Kondo T, Kato K, Okada T, Otsuki Y. DNA microarray analysis in a mouse model for endometriosis and validation of candidate factors with human adenomyosis. J Reprod Immunol. 2010 Jun;85(2):149-60..PMID: 20452033->

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**