

Immunotag™ Calbindin D28K Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT5209
Product Description	Immunotag™ Calbindin D28K Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Calbindin D28K
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Calbindin D28K, at AA range: 181-230
Specificity	Calbindin D28K Polyclonal Antibody detects endogenous levels of Calbindin D28K protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	CALB1
Accession No.	P05937 P12658 P07171
Alternate Names	CALB1; CAB27; Calbindin; Calbindin D28; D-28K; Vitamin D-dependent calcium-binding protein, avian-type

Antibody Specification

Description	calbindin 1(CALB1) Homo sapiens The protein encoded by this gene is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. Originally described as a 27 kDa protein, it is now known to be a 28 kDa protein. It contains four active calcium-binding domains, and has two modified domains that are thought to have lost their calcium binding capability. This protein is thought to buffer entry of calcium upon stimulation of glutamate receptors. Depletion of this protein was noted in patients with Huntington disease. [provided by RefSeq, Jan 2015],
Protein Expression	Brain,Cerebellum,Kidney,Lung,Substantia nigra,
Subcellular Localization	nucleus,cytosol,axon,dendrite,neuronal cell body,terminal bouton,synapse,extracellular exosome,
Protein Function	domain:This protein has four functional calcium-binding sites; potential sites II and VI have lost affinity for calcium.,function:Buffers cytosolic calcium. May stimulate a membrane Ca(2+)-ATPase and a 3',5'-cyclic nucleotide phosphodiesterase.,online information:Calbindin entry,similarity:Belongs to the calbindin family.,similarity:Contains 5 EF-hand domains.,subunit:Interacts with RANBP9.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.