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Rabbit Anti-Calbindin antibody

SL10177R

Product Name:	Calbindin
Chinese Name:	钙Binding proteinD28K抗体
Alias:	CAB27; CALB 1; CALB; CALB1; Calbindin 1 28kDa; Calbindin-D-28K; Calbindin D28; D 28K; D28K; Vitamin D dependent calcium binding protein; Vitamin D dependent calcium binding protein avian type; Vitamin D dependent calcium binding protein avian-type; Vitamin D-dependent calcium-binding protein; CALB1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	The nucleuscytoplasmicExtracellular matrix
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Calbindin:41-150/261
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Calbindin is a calcium-binding protein belonging to the troponin C superfamily. It was originally described as a 27-kD protein induced by vitamin D in the duodenum of the chick. In the brain, its synthesis is independent of vitamin-D-derived hormones. Calbindin contains 4 active calcium-binding domains, and 2 modified domains that presumably have lost their calcium-binding capacity. The neurons in brains of patients

with Huntington disease are calbindin-depleted. [provided by RefSeq, Jul 2008]

Function:
Buffers cytosolic calcium. May stimulate a membrane Ca(2+)-ATPase and a 3',5'-cyclic nucleotide phosphodiesterase.

Subunit:
Interacts with RANBP9.

Similarity:
Belongs to the calbindin family.
Contains 5 EF-hand domains.

SWISS:
P05937

Gene ID:
793

Database links:

Entrez Gene: 793Human

Entrez Gene: 12307Mouse

Entrez Gene: 83839Rat

Omim: 114050Human

SwissProt: P05937Human

SwissProt: P12658Mouse

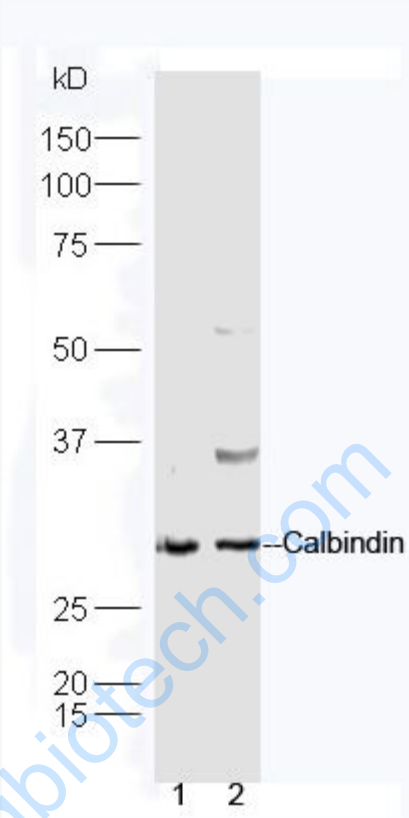
SwissProt: P07171Rat

Unigene: 65425Human

Unigene: 277665Mouse

Unigene: 3908Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: kidney (mouse) Lysate at 40 ug brain (Mouse) Lysate at 40 ug Primary: Anti-Calbindin(SL10177R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL10177R) at 1: 5000; Predicted band size: 29 kD Observed band size: 29 kD