



Calbindin D28K Monoclonal Antibody

Catalog No	YP-mAb-03226
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CALB1
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human CALB1. AA range:191-240
Specificity	Calbindin D28K Monoclonal Antibody detects endogenous levels of Calbindin D28K protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CALB1;Calbindin;CALB;calbindin 1;28kDa;Calbindin D28;Calbindin D28K; CAB27;D-28K;Vitamin D-dependent calcium-binding protein;avian-type; avian-type
Observed Band	30kD
Calculated Molecular Weight	30kD
Cell Pathway	nucleus,cytosol,axon,dendrite,neuronal cell body,terminal bouton,synapse, extracellular exosome,
Tissue Specificity	Brain,Cerebellum,Kidney,Lung,Substantia nigra,
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.,



Background

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],

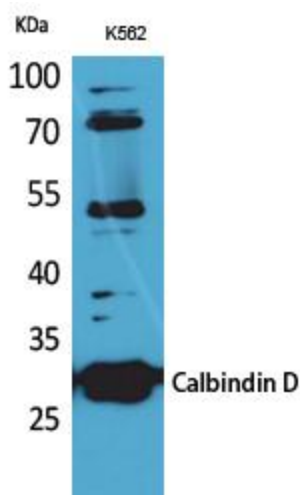
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Calbindin D28K Monoclonal Antibody