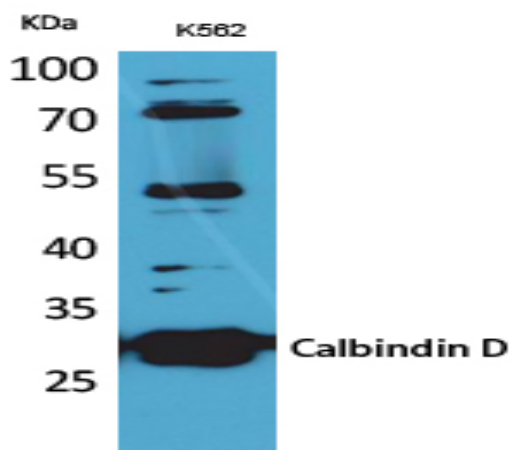


Calbindin D28K Polyclonal Antibody

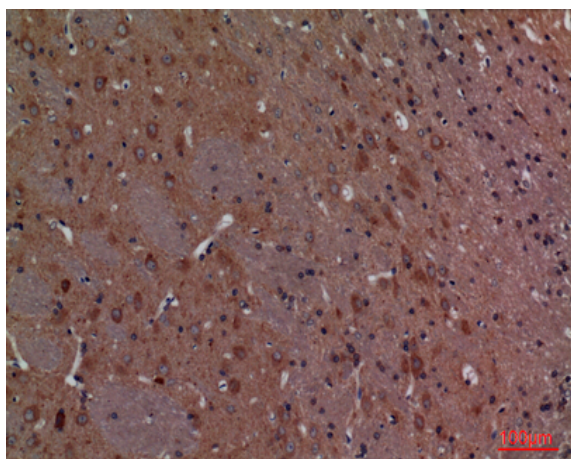
Catalog No :	YT5209
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Calbindin D28K
Fields :	>>Endocrine and other factor-regulated calcium reabsorption
Gene Name :	CALB1
Protein Name :	Calbindin
Human Gene Id :	793
Human Swiss Prot No :	P05937
Mouse Gene Id :	12307
Mouse Swiss Prot No :	P12658
Rat Gene Id :	83839
Rat Swiss Prot No :	P07171
Immunogen :	The antiserum was produced against synthesized peptide derived from the C-terminal region of human CALB1. AA range:191-240
Specificity :	Calbindin D28K Polyclonal Antibody detects endogenous levels of Calbindin D28K protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	30kD
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],
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.,
Subcellular Location :	nucleus,cytosol,axon,dendrite,neuronal cell body,terminal bouton,synapse,extracellular exosome,
Expression :	Brain,Cerebellum,Kidney,Lung,Substantia nigra,
Sort :	3045
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western Blot analysis of K562 cells using Calbindin D28K Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100