

**Calbindin D28K rabbit pAb****Cat#: orb766814 (Manual)**

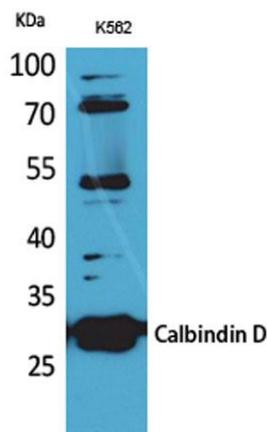
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Calbindin D28K rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human CALB1. AA range:191-240
<b>Specificity</b>	Calbindin D28K Polyclonal Antibody detects endogenous levels of Calbindin D28K protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Calbindin
<b>Gene Name</b>	CALB1
<b>Cellular localization</b>	nucleus,cytosol,axon,dendrite,neuronal cell body,terminal bouton,synapse,extracellular exosome,
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

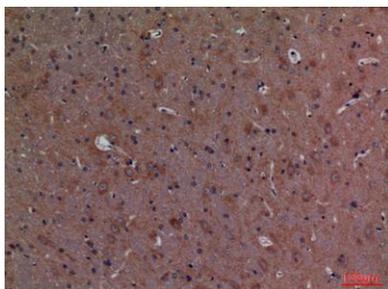
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	30kD
<b>Human Gene ID</b>	793
<b>Human Swiss-Prot Number</b>	P05937
<b>Alternative Names</b>	CALB1; CAB27; Calbindin; Calbindin D28; D-28K; Vitamin D-dependent calcium-binding protein, avian-type

## Background

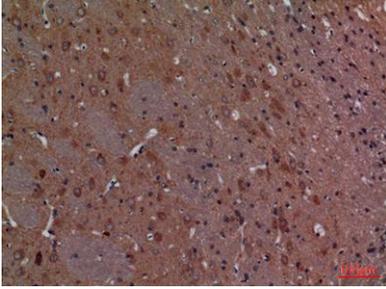
The protein encoded by this gene is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. Originally described as a 27 kDa protein, it is now known to be a 28 kDa protein. It contains four active calcium-binding domains, and has two modified domains that are thought 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],



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



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