

Calbindin Rabbit mAb

Catalog No: #49368

Package Size: #49368-1 50ul #49368-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

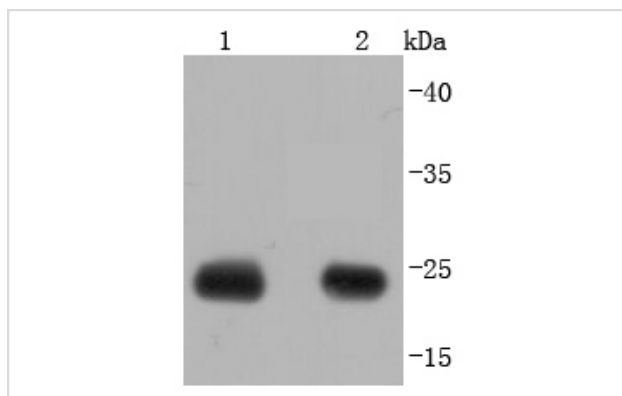
Description

Product Name	Calbindin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF05-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	avian-type antibody CAB27 antibody CALB 1 antibody CALB antibody CALB1 antibody CALB1_HUMAN antibody Calbindin 1 28kDa antibody Calbindin antibody Calbindin D28 antibody D 28K antibody D-28K antibody D28K antibody OTTHUMP00000166027 antibody OTTHUMP00000225441 antibody RTVL H protein antibody Vitamin D dependent calcium binding protein antibody Vitamin D dependent calcium binding protein avian type antibody Vitamin D-dependent calcium-binding protein antibody
Accession No.	Swiss-Prot#:P05937
Uniprot	P05937
GeneID	793;
Calculated MW	28 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

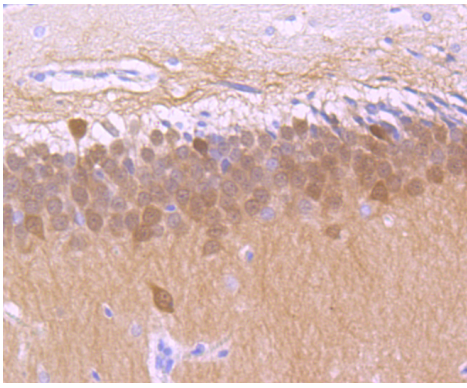
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

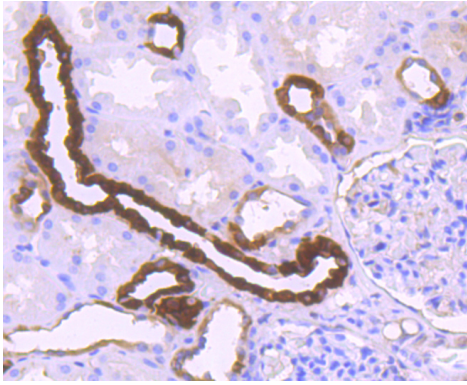
Images



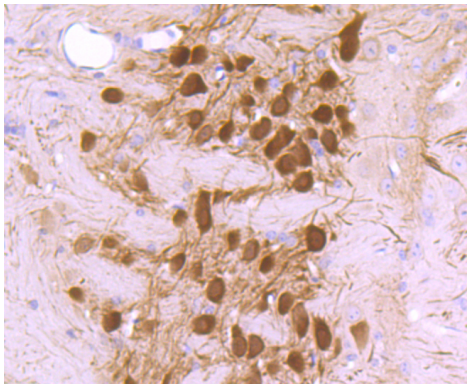
Western blot analysis of Calbindin on different lysates using anti-Calbindin antibody at 1/1,000 dilution. Positive control:
Lane 1: Rat brain Lane 2: Mouse kidney



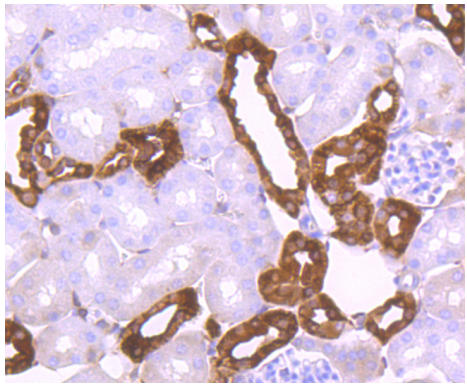
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Calbindin antibody. Counter stained with hematoxylin.



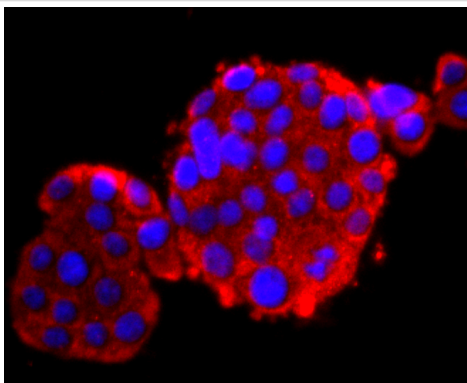
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Calbindin antibody. Counter stained with hematoxylin.



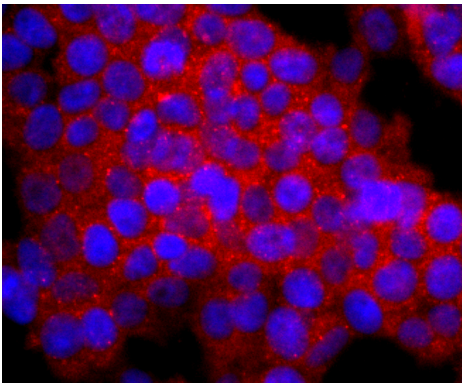
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Calbindin antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Calbindin antibody. Counter stained with hematoxylin.



ICC staining Calbindin in PC-12 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Calbindin in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

The family of EF-hand type Ca²⁺-binding proteins includes Calbindin D28K, Calbindin D9K, S-100 α and β , Calgranulin A (also designated MRP8), Calgranulin B (also designated MRP14), Calgranulin C and the Parvalbumin family members, including Parvalbumin α and Parvalbumin β (also designated oncomodulin). Calbindin D28K, also known as calbindin, CALB1, D-28K or vitamin D-dependent calcium-binding protein, is a 261 amino acid protein with six EF-hand domains, four of which are active calcium-binding domains. Expressed in brain, ovary, uterus, testis, pancreas, liver, kidney and intestine, Calbindin D28K acts as a calcium-buffering agent and alters the activity of the plasma membrane ATPase. In neuronal cells, Calbindin D28K modulates calcium channel activity, calcium transients and intrinsic neuronal firing activity. Also, Calbindin D28K has been implicated to play a role in apoptosis and microtubule function.

References

Note: This product is for in vitro research use only