ARG40287
anti-Calbindin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Calbindin
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Dog, Pig
Tested Application	IHC-Fr, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Calbindin
Species	Human
Immunogen	Synthetic peptide around the internal region of Human Calbindin. (NP_004920.1. C-KTFVDQYGQRDDGK)
Conjugation	Un-conjugated
Alternate Names	Vitamin D-dependent calcium-binding protein, avian-type; Calbindin; CALB; Calbindin D28; D-28K

Application Instructions

Application table

Application	Dilution
IHC-Fr	0.1 - 0.3 µg/ml
IHC-P	5 µg/ml
WB	0.03 - 0.1 µg/ml

Application Note: WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0) at 80°C for 30 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 26 kDa

Properties

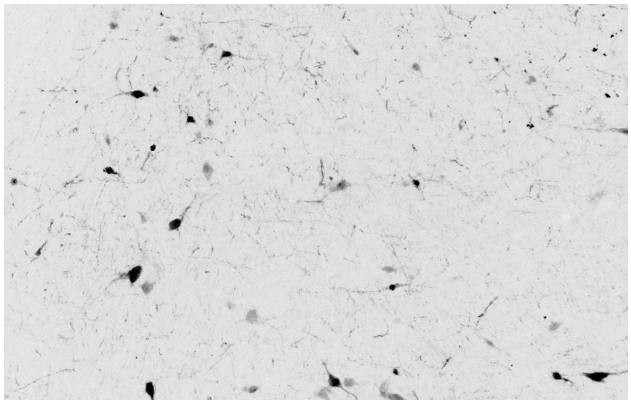
Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

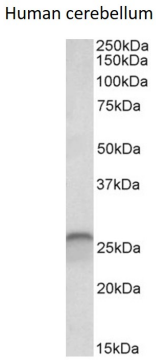
Gene Symbol	CALB1
Gene Full Name	calbindin 1, 28kDa
Background	The protein encoded by this gene is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. Originally described as a 27 kDa protein, it is now known to be a 28 kDa protein. It contains four active calcium-binding 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	Buffers cytosolic calcium. May stimulate a membrane Ca(2+)-ATPase and a 3',5'-cyclic nucleotide phosphodiesterase. [UniProt]
Calculated Mw	30 kDa

Images



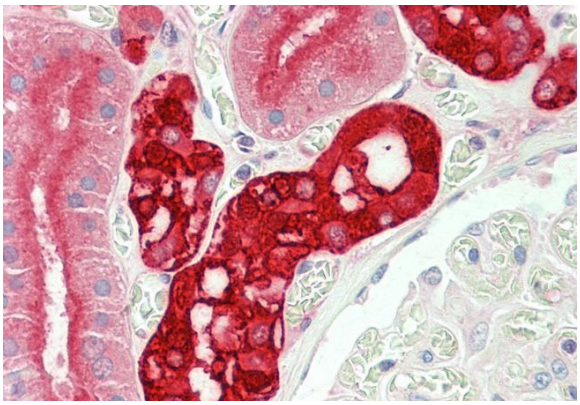
ARG40287 anti-Calbindin antibody IHC-Fr image

Immunohistochemistry: PFA-perfused cryosection of Human hypothalamus tissue stained with ARG40287 anti-Calbindin antibody at 0.1 µg/ml dilution.



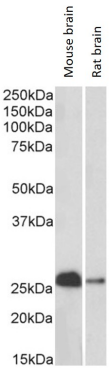
ARG40287 anti-Calbindin antibody WB image

Western blot: 35 µg of Human cerebellum lysate (in RIPA buffer) stained with ARG40287 anti-Calbindin antibody at 0.03 µg/ml dilution and incubated at RT for 1 hour.



ARG40287 anti-Calbindin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney stained with ARG40287 anti-Calbindin antibody at 5 µg/ml dilution. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).



ARG40287 anti-Calbindin antibody WB image

Western blot: 35 µg of Mouse brain and Rat brain lysates (in RIPA buffer) stained with ARG40287 anti-Calbindin antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.