

ARG40276
anti-Calbindin antibody [CB-955]Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CB-955] recognizes Calbindin
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Bov, Mk
Tested Application	IHC-Fr, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	CB-955
Isotype	IgG1
Target Name	Calbindin
Species	Bovine
Immunogen	Bovine kidney Calbindin.
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	Assay-dependent
	IHC-P	1 - 2 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 28 kDa	

Properties

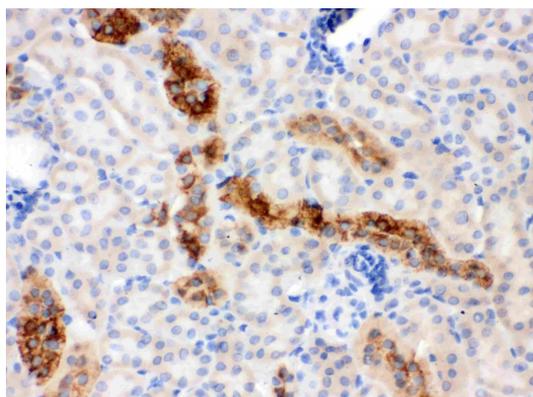
Form	Liquid
Purification	Unpurified.
Buffer	Mouse ascites fluid, 1.2% Sodium acetate, 0.01% Sodium azide and 2% BSA.
Preservative	0.01% Sodium azide
Stabilizer	2% BSA
Concentration	0.5 mg/ml

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

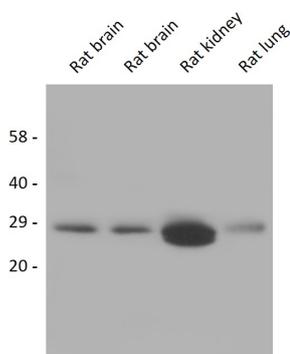
Gene Symbol	CALB1
Gene Full Name	calbindin 1, 28kDa
Background	The protein encoded by this gene is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. Originally described as a 27 kDa protein, it is now known to be a 28 kDa protein. It contains four active calcium-binding 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



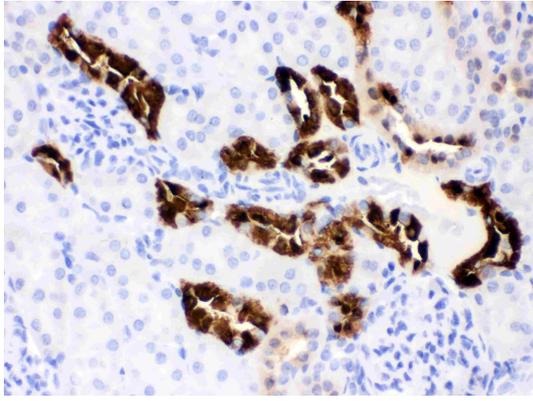
ARG40276 anti-Calbindin antibody [CB-955] IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney stained with ARG40276 anti-Calbindin antibody [CB-955].



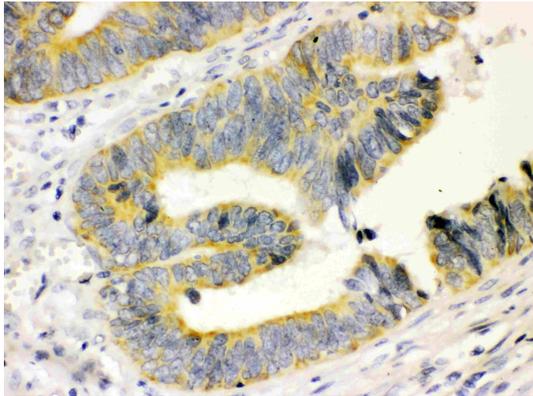
ARG40276 anti-Calbindin antibody [CB-955] WB image

Western blot: Rat brain (lane 1 and 2), Rat kidney (lane 3) and Rat lung (lane 4) tissue lysates stained with ARG40276 anti-Calbindin antibody [CB-955].



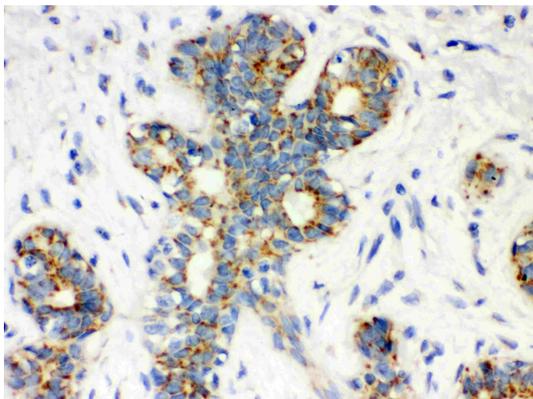
ARG40276 anti-Calbindin antibody [CB-955] IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney stained with ARG40276 anti-Calbindin antibody [CB-955].



ARG40276 anti-Calbindin antibody [CB-955] IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer stained with ARG40276 anti-Calbindin antibody [CB-955].



ARG40276 anti-Calbindin antibody [CB-955] IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer stained with ARG40276 anti-Calbindin antibody [CB-955].
