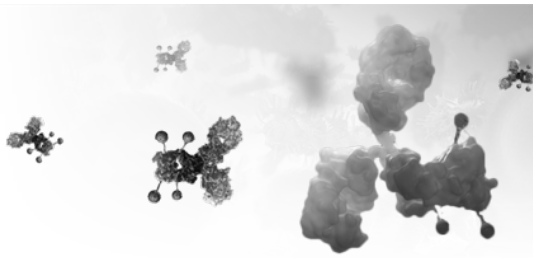

Rabbit Anti-Calbindin monoclonal antibody, clone KG16-12 (CABT-L879)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Calbindin
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KG16-12
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	28 kDa
Cellular Localization	Cytosol, Nucleus.
Positive Control	PC-12, 293T, rat brain tissue, human kidney tissue, mouse kidney tissue, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The family of EF-hand type Ca-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.
Keywords	avian-type;CAB27;CALB 1;CALB;CALB1;CALB1_HUMAN;Calbindin 1 28kDa;Calbindin;Calbindin D28;D 28K;D-28K;D28K;OTTHUMP00000166027;OTTHUMP00000225441;RTVL H protein;Vitamin D dependent calcium binding protein;Vitamin D dependent calcium binding protein avian type;Vitamin D-dependent calcium-binding protein antibody

GENE INFORMATION

Entrez Gene ID	3635

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