Calbindin Conjugated Antibody

Catalog No: #C49368

Package Size: #C49368-AF350 100ul #C49368-AF405 100ul #C49368-AF488 100ul #C49368-AF555 100ul #C49368-AF594 100ul #C49368-AF647 100ul #C49368-AF680 100ul #C49368-AF750 100ul #C49368-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Calbindin Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	28 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only