



Anti-AP2A1 monoclonal antibody, clone 211/3 (DCABH-381)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to alpha Adaptin
Antigen Description	Clathrin mediated endocytosis is the pathway by which many receptors for nutrients and hormones are internalized to be recycled or down regulated. During formation of clathrin coated membranes, clathrin co assembles with heterotetrameric molecules known as assembly polypeptides (APs) or adaptors which form a layer of protein coat between the clathrin lattice and the membrane. There are two characterized adaptors AP1 and AP2. AP1 is associated with clathrin coated vesicles at the trans Golgi network and AP2 is associated with the endocytic clathrin coated vesicles at the plasma membrane and has been shown to specifically interact with Shc and EGF receptor. AP2 is composed of four subunits, two separate 100 kDa gene products with similar domain structures (alpha and beta adaptin) and a 50 and 17 kDa subunit. There are two alpha adaptin genes, alpha A and alpha C which have a tissue specific pattern of expression.
Specificity	Reacts in bovine and rat brain preparations, with the 105 and 110 alpha-subunits of adaptor complex AP2. The antibody reacts with polypeptides of approximately 100 kDa in bovine liver, human heart fibroblasts, and Madin-Darby bovine kidney cultured cells
Immunogen	AP2 polypeptides from bovine brain.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Bovine
Clone	211/3
Conjugate	Unconjugated

Applications	ICC/IF, WB
Positive Control	WB: rat brain lysate, bovine liver, human heart fibroblasts, Madin-Darby bovine kidney cultured cells
Format	Liquid
Size	100 µl
Buffer	Preservative: 15mM Sodium Azide; Constituents: Ascites
Preservative	15mM Sodium Azide
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	AP2A1 adaptor-related protein complex 2, alpha 1 subunit [Bos taurus]
Official Symbol	Ap2a1
Synonyms	AP2A1; adaptor-related protein complex 2, alpha 1 subunit; AP-2 complex subunit alpha-1;
Entrez Gene ID	784636
Protein Refseq	NP_001178369
UniProt ID	Q1JPJ7
Pathway	Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, conserved biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Synaptic vesicle cycle, organism-specific biosystem;