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Anti-CALY Antibody

Catalog # AP59949

Product Information

Application	WB, IF/IC
Primary Accession	Q9NYX4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23434

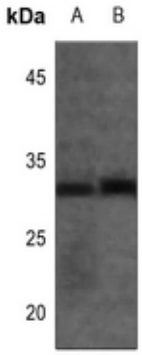
Additional Information

Gene ID	50632
Other Names	DRD1IP; Neuron-specific vesicular protein calcyon
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CALY. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

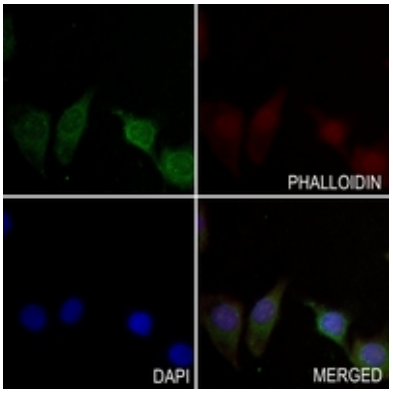
Protein Information

Name	CALY
Synonyms	DRD1IP
Function	Interacts with clathrin light chain A and stimulates clathrin self-assembly and clathrin-mediated endocytosis.
Cellular Location	Cytoplasmic vesicle membrane; Single-pass membrane protein. Cell membrane; Single-pass membrane protein
Tissue Location	Expressed in the pyramidal cells of the prefrontal cortex, in hypothalamus and in caudate nucleus. No expression in spleen. Up-regulated in the prefrontal cortex of schizophrenic patients with nearly twice the levels of non-schizophrenics

Images



Western blot analysis of CALY expression in mouse liver (A), rat liver (B) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 30 kD)



Immunofluorescent analysis of CALY staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).