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CALY Polyclonal Antibody

| Catalog No | YP-Ab-05067 |
|--------------------|---|
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB;ELISA |
| Gene Name | CALY DRD1IP |
| Protein Name | Neuron-specific vesicular protein calcyon |
| Immunogen | Synthesized peptide derived from human protein . at AA range: 1-80 |
| Specificity | CALY Polyclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 ELISA 1:5000-20000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | 23kD |
| Cell Pathway | Cytoplasmic vesicle membrane; Single-pass membrane protein. Cell membrane; Single-pass membrane protein. |
| Tissue Specificity | Expressed in the pyramidal cells of the prefrontal cortex, in hippothalamus 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. |
| Function | caution:Was originally (PubMed:10698743) thought to interact with the D1 dopamine receptor (DRD1) and to play a role in potentiating calcium ion-dependent signaling but this work was later retracted.,function:Interacts with clathrin light chain A and stimulates clathrin self-assembly and clathrin-mediated endocytosis.,PTM:Glycosylated.,similarity:Belongs to the NSG family.,subunit:Interacts with CLTA.,tissue specificity:Expressed in the pyramidal cells of the prefrontal cortex, in hippothalamus 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., |
| Background | calcyon neuron specific vesicular protein(CALY) Homo sapiens The protein encoded by this gene is a type II single transmembrane protein. It is required for maximal stimulated calcium release after stimulation of purinergic or muscarinic but not beta-adrenergic receptors. The encoded protein interacts with D1 dopamine receptor and may interact with other DA receptor subtypes and/or |



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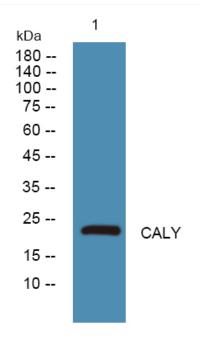




GPCRs. [provided by RefSeq, Jul 2008],

| matters needing attention | Avoid repeated freezing and thawing! |
|---------------------------|---|
| Usage suggestions | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |





Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4° over night