
Product Name: CALB2 Mouse Monoclonal Antibody**Catalog #: AMM81479**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | IHC,ELISA,FC |
| Reactivity | Human |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Purified antibody in PBS with 0.05% sodium azide |
| Purification | Affinity Purification |

Application

| | |
|-------------------------|--|
| Dilution Ratio | IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| Molecular Weight | 31.5kDa |

Antigen Information

| | |
|--------------------------|--|
| Gene Name | CALB2 |
| Alternative Names | CR; CAL2; CAB29 |
| Gene ID | 794.0 |
| SwissProt ID | P22676 |
| Immunogen | Purified recombinant fragment of human CALB2 (AA: 1-271) expressed in E. Coli. |

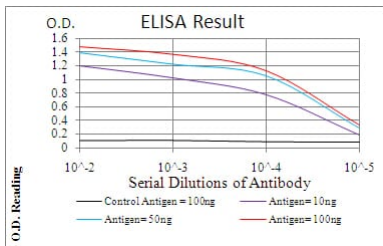
Background

This gene encodes an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. This protein plays a role in diverse cellular functions, including message targeting and intracellular calcium buffering. It also functions as a modulator of neuronal excitability, and is a diagnostic marker

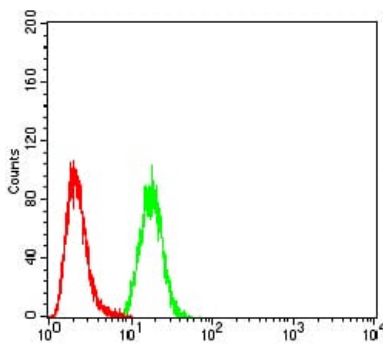
for some human diseases, including Hirschsprung disease and some cancers. Alternative splicing results in multiple transcript variants.

Research Area

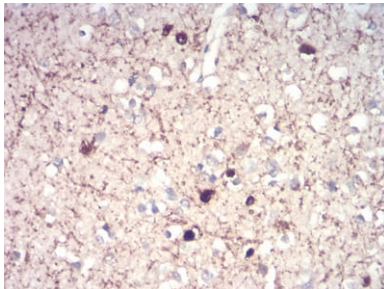
Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Flow cytometric analysis of A549 cells using CALB2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human brain tissues using CALB2 mouse mAb with DAB staining.