

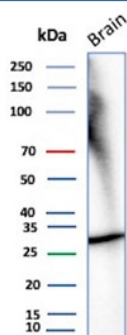
## Recombinant CALB2 Antibody / Calretinin [clone rCALB2/7123] (V4448)

| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V4448-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4448-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V4448SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

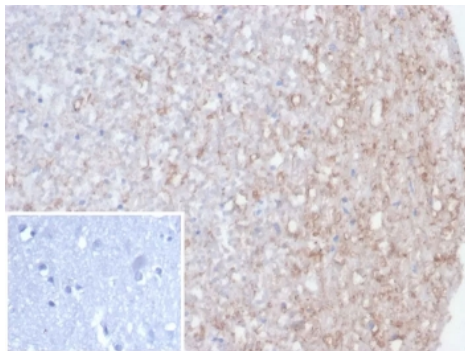
Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

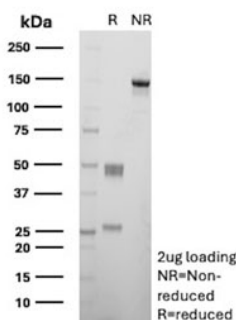
|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                  |
| Species Reactivity | Human                                                                              |
| Format             | Purified                                                                           |
| Clonality          | Recombinant Mouse Monoclonal                                                       |
| Isotype            | Mouse IgG1, kappa                                                                  |
| Clone Name         | rCALB2/7123                                                                        |
| Purity             | Protein A affinity                                                                 |
| UniProt            | P22676                                                                             |
| Localization       | Cytoplasm, Nucleus                                                                 |
| Applications       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT<br>Western blot : 2-4ug/ml |
| Limitations        | This recombinant CALB2 antibody is available for research use only.                |



Western blot testing of human brain tissue lysate with recombinant CALB2 antibody.  
Predicted molecular weight ~29 kDa.



IHC staining of FFPE human brain tissue with recombinant CALB2 antibody (clone rCALB2/7123). Inset: PBS instead of primary (secondary negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant CALB2 antibody (clone rCALB2/7123) as confirmation of integrity and purity.

## Description

It recognizes a protein of about 29kDa, which is identified as Calretinin (also known as Calbindin 2). Calretinin is a vitamin D-dependent calcium-binding protein involved in calcium signaling. It is present in subsets of neurons throughout the brain and spinal cord, including sensory ganglia. Antibody to calretinin is useful in differentiating mesothelioma from adenocarcinomas of the lung. It also aids in differentiating adrenal cortical neoplasms from pheochromocytomas.

## Application Notes

Optimal dilution of the recombinant CALB2 antibody should be determined by the researcher.

## Immunogen

A recombinant human protein fragment (within amino acids 23-242) was used as the immunogen for the recombinant CALB2 antibody.

## Storage

Aliquot the recombinant CALB2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.