

Datasheet for ABIN7650346

## anti-Calretinin antibody (AA 23-242) (Biotin)



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### Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | Calretinin (CALB2)                                                                                                             |
| Binding Specificity: | AA 23-242                                                                                                                      |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Mouse                                                                                                                          |
| Clonality:           | Monoclonal                                                                                                                     |
| Conjugate:           | This Calretinin antibody is conjugated to Biotin                                                                               |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Calretinin / Calbindin 2 (Mesothelioma Marker)(CALB2/2807), Biotin conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Immunogen:       | Recombinant human Calretinin (Calbindin 2) protein fragment (around aa23-242)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clone:           | CALB2-2807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype:         | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Characteristics: | Calretinin (also known as Calbindin 2) is a member of the troponin C superfamily. Proteins in this family have 6 EF-hand domains which bind to calcium. 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 chord, including sensory ganglia. Antibodies to calretinin are useful in differentiating mesothelioma from adenocarcinomas of the lung. They can also aid in differentiating adrenal cortical neoplasms from pheochromocytomas. Primary antibodies are |

## Product Details

available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| Target:           | Calretinin (CALB2)                                                                                                        |
| Alternative Name: | Calbindin 2                                                                                                               |
| Background:       | Synonyms: Calretinin, Calbindin 2, CAB29, CAL2, CALB2, Calbindin D29K<br>Gene Symbol: CALB2<br>Tissue Expression: Neurons |
| Molecular Weight: | 29 kDa                                                                                                                    |
| Gene ID:          | 794                                                                                                                       |
| UniProt:          | <a href="#">P22676</a>                                                                                                    |

## Application Details

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment:           | Positive Control: Brain, Testis or Mesothelioma.                   |
| Restrictions:      | For Research Use only                                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 0.1 mg/mL                                                                                                              |
| Buffer:            | PBS, 0.1 % BSA, 0.05 % azide                                                                                           |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C                                                                                                                   |
| Storage Comment:   | Stable at room temperature or 37°C for 7 days.                                                                         |

Handling

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Store at 2 to 8°C. Protect fluorescent conjugates from light

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Expiry Date: 24 months