

## Datasheet for ABIN6942334 **anti-Calretinin antibody**

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### Overview

|              |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                             |
| Target:      | Calretinin (CALB2)                                                                 |
| Reactivity:  | Human, Mouse, Rat                                                                  |
| Host:        | Rabbit                                                                             |
| Clonality:   | Monoclonal                                                                         |
| Conjugate:   | This Calretinin antibody is un-conjugated                                          |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

### Product Details

|                   |                           |
|-------------------|---------------------------|
| Immunogen:        | Human Calretinin aa 1-150 |
| Clone:            | 4A3                       |
| Isotype:          | IgG                       |
| Cross-Reactivity: | Human, Mouse, Rat         |
| Purification:     | Purified by Protein A.    |

### Target Details

|                   |                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Calretinin (CALB2)                                                                                                                                        |
| Alternative Name: | Calretinin ( <a href="#">CALB2 Products</a> )                                                                                                             |
| Background:       | Synonyms: Calretinin, 29 kDa calbindin, CR, CALB2, CAB29<br>Background: Calretinin is a calcium-binding protein which is abundant in auditory neurons. It |

## Target Details

belongs to the calbindin family. Calbindin 2 (calretinin), closely related to calbindin 1, is an intracellular calcium-binding protein belonging to the troponin C superfamily. Calbindin 1 is known to be involved in the vitamin-D-dependent calcium absorption through intestinal and renal epithelia, while the function of neuronal calbindin 1 and calbindin2 is poorly understood. The sequence of the calbindin 2 cDNA reveals an open reading frame of 271 codons coding for a protein of 31,520 Da, and shares 58 % identical residues with human calbindin1.

Gene ID: 794

UniProt: [P22676](#)

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months