# CRABP1 Rabbit mAb

**Catalog NO.: A5434** Recombinant

## Basic Information

### Observed MW
16kDa

### Calculated MW
16kDa

### Category
Monoclonal Antibodies

### Applications
WB, IF-P, ELISA

### Cross-Reactivity
Human, Mouse, Rat

### Conjugation
Unconjugated

### Clone number
ARC1991

## Background

This gene encodes a specific binding protein for a vitamin A family member and is thought to play an important role in retinoic acid-mediated differentiation and proliferation processes. It is structurally similar to the cellular retinol-binding proteins, but binds only retinoic acid at specific sites within the nucleus, which may contribute to vitamin A-directed differentiation in epithelial tissue.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:1000 |
| **IF-P** | 1:50 - 1:200 |

### ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID
1381

### Swiss Prot
P29762

### Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms
RBP5; CRABP; CRABPI; CRABP-I; CRABP1

## Contact

## Product Information

order@abclonal.com
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www.abclonal.com

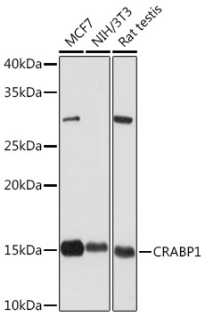
**Source**
Rabbit

**Isotype**
IgG

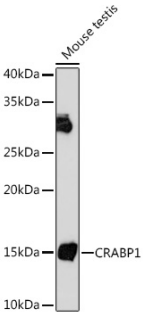
**Purification**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

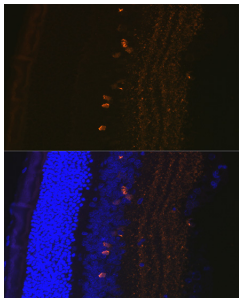
## Validation Data




Western blot analysis of various lysates using CRABP1 Rabbit mAb (A5434) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.




Western blot analysis of lysates from Mouse testis, using CRABP1 Rabbit mAb (A5434) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3min.



Immunofluorescence analysis of paraffin-embedded rat eye using CRABP1 Rabbit mAb (A5434) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.