

## Product datasheet for **AM09092PU-S**

### CRABP1 Mouse Monoclonal Antibody [Clone ID: AT1A1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AT1A1
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot:</b> 1/500-1/1,000. <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant Human CRABP1 (1-137 aa) purified from E. coli
Specificity:	The antibody recognizes Human and Mouse CRABP1. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cellular retinoic acid binding protein 1
Database Link:	<a href="#">Entrez Gene 12903 Mouse</a> <a href="#">Entrez Gene 1381 Human</a> <a href="#">P29762</a>



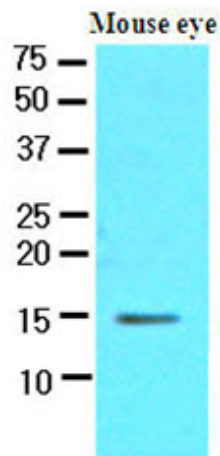
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**Background:**

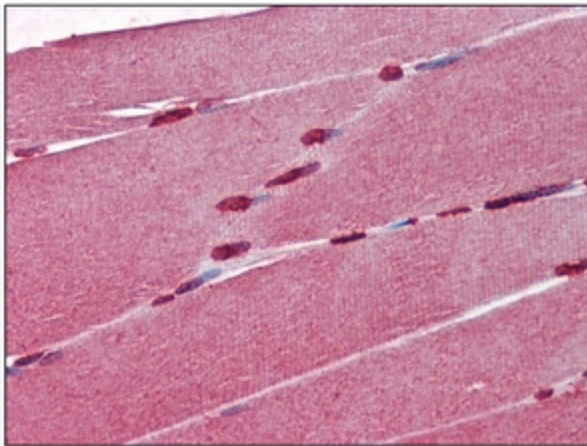
CRABP1 (cellular retinoic acid-binding protein 1) is a member of specific carrier proteins for members of the vitamin A family. CRABP1 is assumed to play an important role in retinoic acid-mediated differentiation and proliferation processes. CRABP1 is structurally similar to the cellular retinol-binding proteins, but binds only retinoic acid. It is constitutively expressed and is believed to have different functions in the cell than the related CRABP2. Interestingly, Sytenol A bakuchiol has very specific receptor specificity over retinol and has no effect on the RAR-beta and RAR-gamma receptors and down-regulates CRABP1.

**Synonyms:**

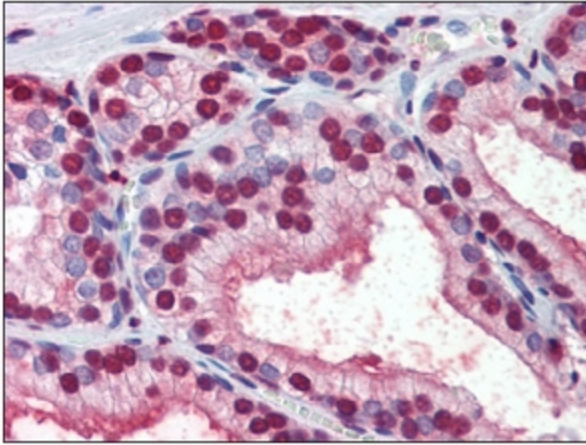
CRABP-I, RBP5

**Product images:**

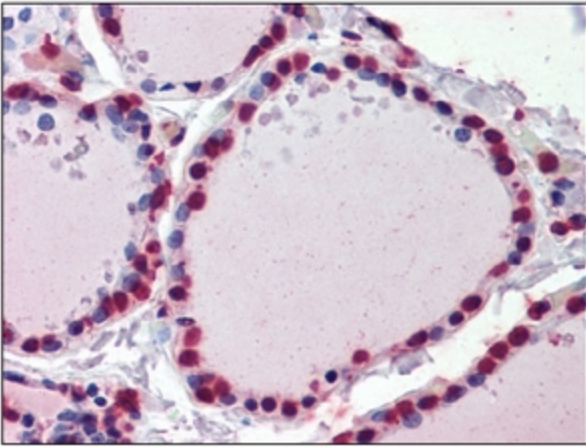
Western blot analysis : The extracts of mouse eye (30 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human CRABP1 antibody (1/500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunohistochemistry: -N CRABP1 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Skeletal Muscle followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry: -N CRABP1 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Prostate followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry: -N CRABP1 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Thyroid followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.