

## Rabbit Anti-CRABP2 antibody

SL6038R

**Product Name** CRABP2

**Chinese Name** 细胞维甲酸 Binding protein2 抗体

**Alias** Cellular retinoic acid binding protein 2; Cellular retinoic acid binding protein II; CRABP II; CRABPII; CRABP 2; CRABP-2; RBP6; RABP2\_HUMAN.

**Research Area** Tumour Cell biology Chromatin and nuclear signals Signal transduction

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Mouse,Rat(predicted:Human,Dog,Pig,Cow,Rabbit,GuineaPig)

**Applications** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 16kDa

**Cellular localization** The nucleus cytoplasmic

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human CRABP2: 51-138/138

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

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

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

**Product** A number of specific carrier proteins for members of the vitamin A family have been

## Detail

discovered. Cellular retinoic acid binding proteins (CRABP) are low molecular weight proteins whose precise function remains unknown. The inducibility of the CRABP2 gene suggests that this isoform is important in retinoic acid-mediated regulation of human skin growth and differentiation. It has been postulated that the CRABP2 gene is transcriptionally regulated by a newly synthesized regulatory protein.

### **Function:**

Transports retinoic acid to the nucleus. Regulates the access of retinoic acid to the nuclear retinoic acid receptors.

### **Subunit:**

Interacts with RXR and RARA. Interacts with importin alpha.

### **Subcellular Location:**

Cytoplasm. Endoplasmic reticulum. Nucleus.

### **Post-translational modifications:**

Sumoylated in response to retinoic acid binding, sumoylation is critical for dissociation from ER and subsequent nuclear translocation.

### **Similarity:**

Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

### **SWISS:**

P29373

### **Gene ID:**

1382

### **Database links:**

[Entrez Gene: 1382](#) Human

[Entrez Gene: 12904](#) Mouse

[Entrez Gene: 29563](#) Rat

[Omim: 180231](#) Human

[SwissProt: P29373](#) Human

[SwissProt: P22935](#) Mouse

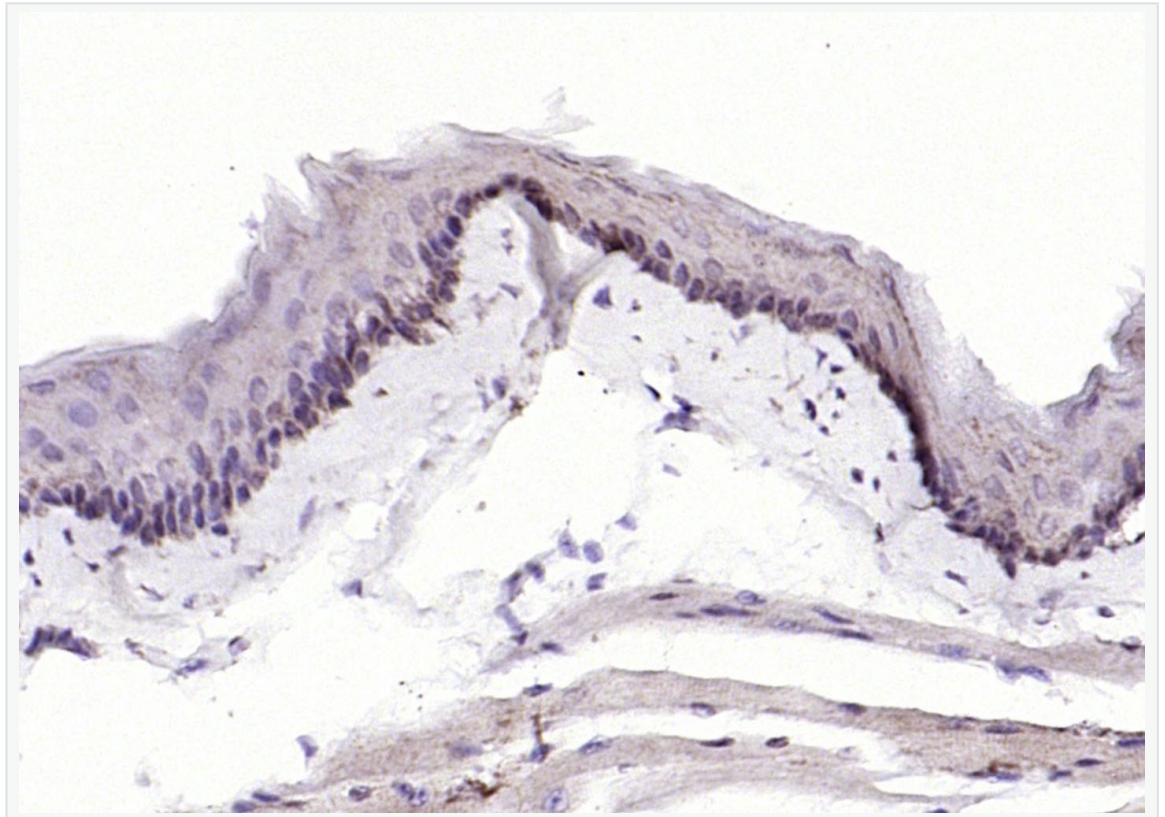
[SwissProt: P51673](#) Rat

[Unigene: 405662](#) Human

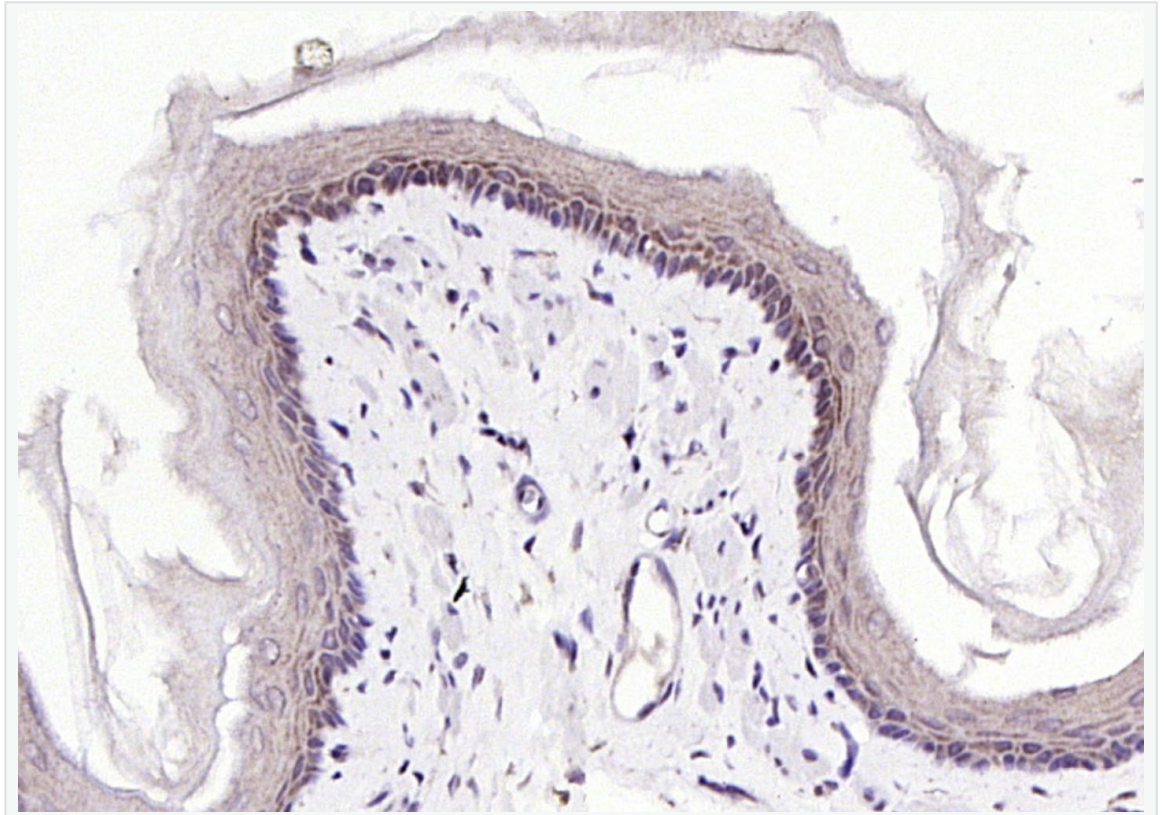
[Unigene: 4757](#) Mouse

[Unigene: 11333](#) Rat

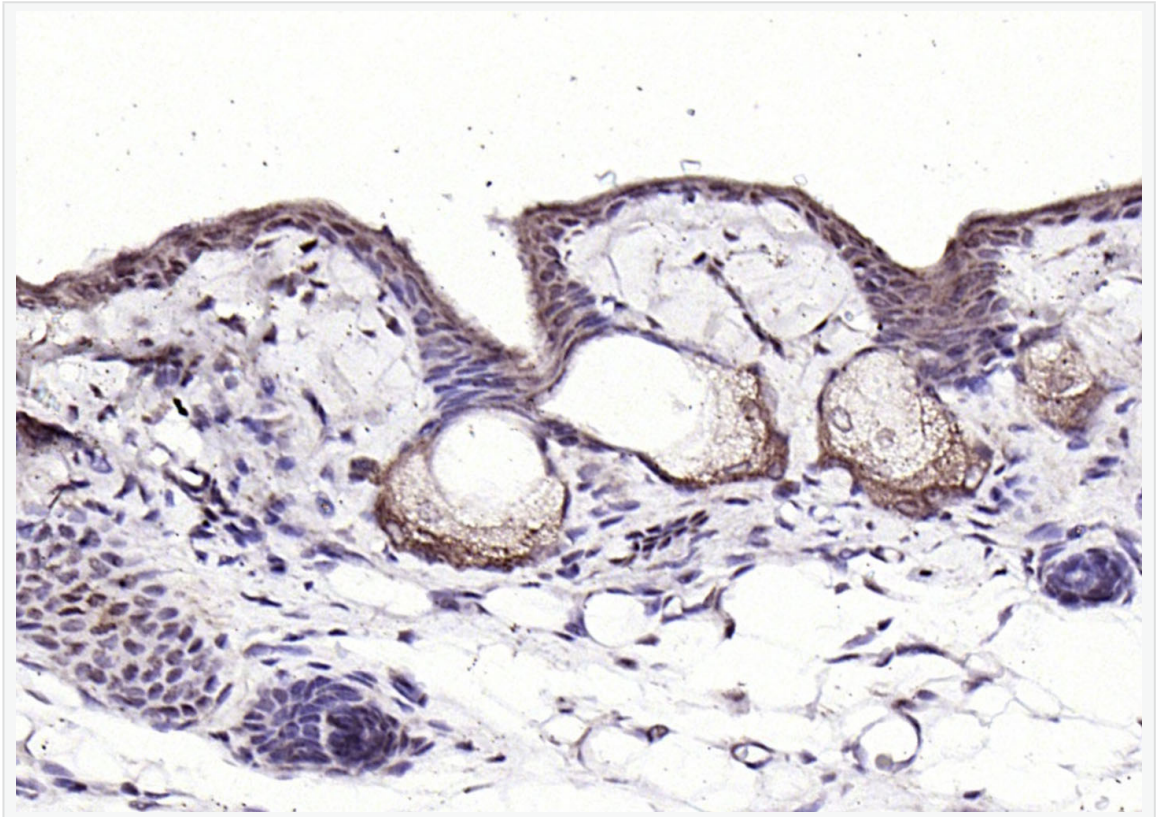
**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (mouse esophagus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRABP2) Polyclonal Antibody, Unconjugated (SL6038R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat esophagus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRABP2) Polyclonal Antibody, Unconjugated (SL6038R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRABP2) Polyclonal Antibody, Unconjugated (SL6038R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.