

CROP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55404**Specification**

CROP Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O95232
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CROP
Epitope Specificity	31-130/432
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus speckle. The subnuclear localization is affected by cisplatin.
SIMILARITY	Belongs to the Luc7 family.
Post-translational modifications	Phosphorylated in vitro by SRPK1, SRPK2 and CLK1. Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a protein with an N-terminal half that contains cysteine/histidine motifs and leucine zipper-like repeats, and the C-terminal half is rich in arginine and glutamate residues (RE domain) and arginine and serine residues (RS domain). This protein localizes with a speckled pattern in the nucleus, and could be involved in the formation of spliceosome via the RE and RS domains. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2009]

CROP Polyclonal Antibody - Additional Information**Gene ID** 51747**Other Names**

Luc7-like protein 3, Cisplatin resistance-associated-overexpressed protein, Luc7A, Okadaic acid-inducible phosphoprotein OA48-18, cAMP regulatory element-associated protein 1, CRE-associated protein 1, CREAP-1, LUC7L3, CREAP1, CROP, O48

Target/Specificity

Widely expressed. Highest levels in heart, brain, pancreas, thymus, ovary, small intestine and peripheral blood leukocytes, as well as cerebellum, putamen and pituitary gland. Lowest levels in lung, liver and kidney. Also expressed in fetal tissues, including brain, heart, kidney, thymus and lung.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CROP Polyclonal Antibody - Protein Information

Name LUC7L3

Synonyms CREAP1, CROP, O48

Function

Binds cAMP regulatory element DNA sequence. May play a role in RNA splicing.

Cellular Location

Nucleus speckle. Note=The subnuclear localization is affected by cisplatin

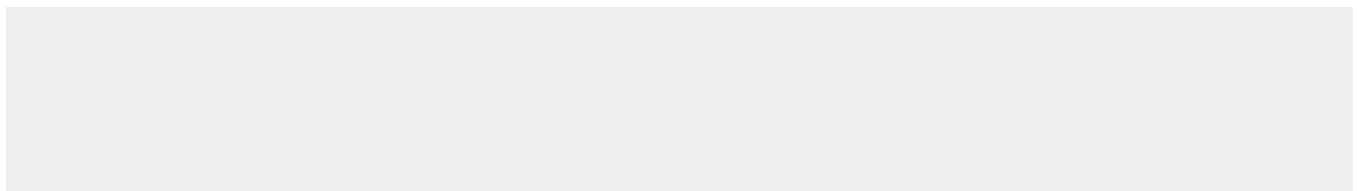
Tissue Location

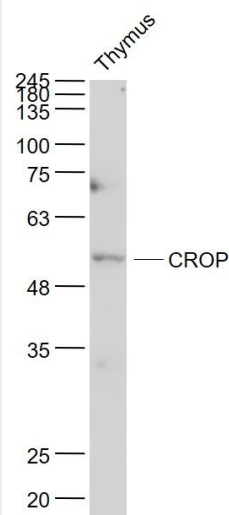
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CROP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CROP Polyclonal Antibody - Images



Sample:

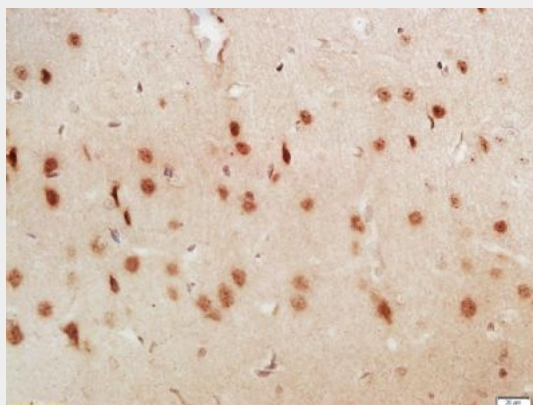
Thymus (Mouse) Lysate at 40 ug

Primary: Anti- CROP (bs-14067R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 51 kD

Observed band size: 53 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-CROP Polyclonal Antibody, Unconjugated(bs-14067R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining