SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CROP antibody

Catalog Number: SL14067R

FOR RESEARCH USE ONLY

[DATASHEET]

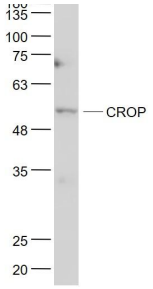
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CROP
Immunogen:	KLH conjugated synthetic peptide derived from human CROP: 31-130/432
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 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.
Reactivity:	Mouse, Rat, (predicted: Human, Chicken, Pig, Cow, Sheep)
Predicted MW.:	51kDa
Subcellular Location:	The nucleus
Background:	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 splicesome 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] **Function:** Binds cAMP regulatory element DNA sequence. May play a role in RNA splicing. **Subcellular Location:** Nucleus speckle. The subnuclear localization is affected by cisplatin. **Tissue Specificity:** Widely expressed. Highest levels in heart, brain, pancreas,

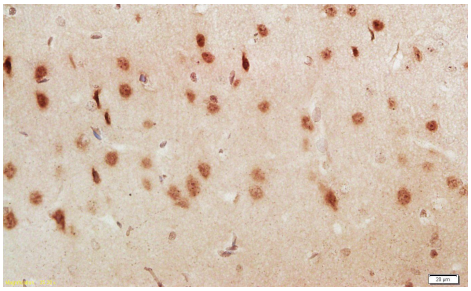
Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	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. **Post-translational modifications:** Phosphorylated in vitro by SRPK1, SRPK2 and CLK1. Phosphorylated upon DNA damage, probably by ATM or ATR. **Similarity:** Belongs to the Luc7 family. **Database links:** **Entrez Gene:** 51747 Human **Entrez Gene:** 67684 Mouse **Entrez Gene:** 360602 Rat Omim: 609434 Human **SwissProt:** O95232 Human **SwissProt:** Q5SUF2 Mouse **Unigene:** 130293 Human **Unigene:** 30927 Mouse

[VALIDATION IMAGES]





Sample:
Thymus (Mouse) Lysate at 40 ug
Primary: Anti- CROP (SL14067R) 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 (1M, 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(SL14067R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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