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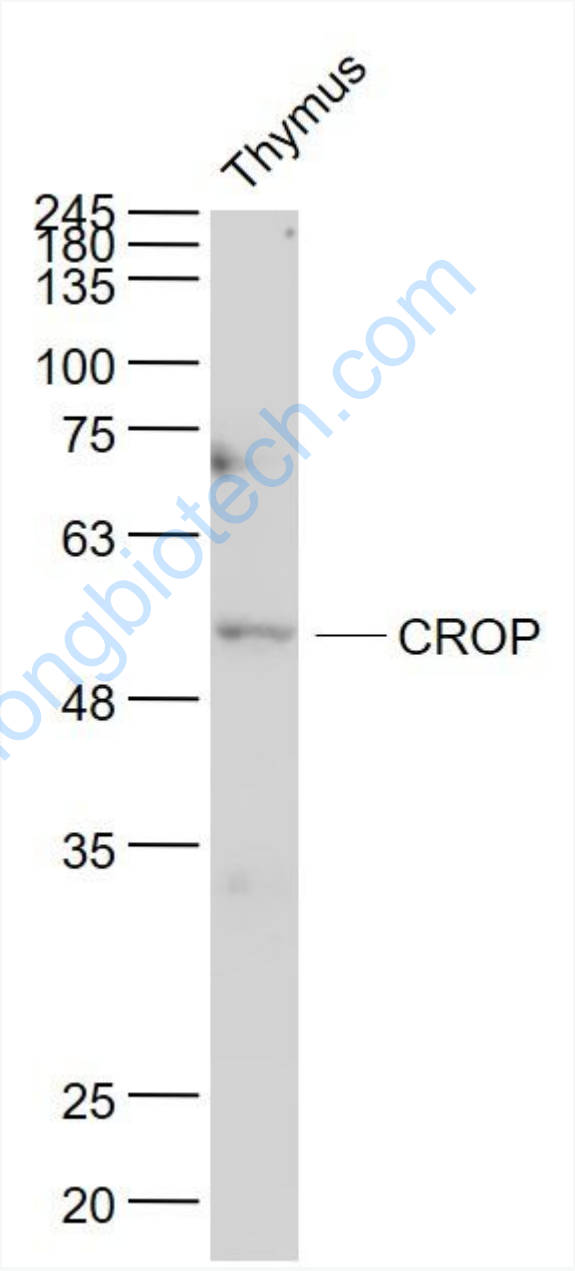
Rabbit Anti-CROP antibody

SL14067R

Product Name:	CROP
Chinese Name:	环磷酸腺苷调节元件相关蛋白1抗体
Alias:	cAMP regulatory element-associated protein 1; Cisplatin resistance-associated overexpressed protein; Cisplatin resistance-associated-overexpressed protein; CRE-associated protein 1; CREAP-1; CREAP1; CROP; LC7L3_HUMAN; Luc7-like protein 3; Luc7A; LUC7L3; O48; Okadaic acid-inducible phosphoprotein OA48-18.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	51kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CROP:31-130/432
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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

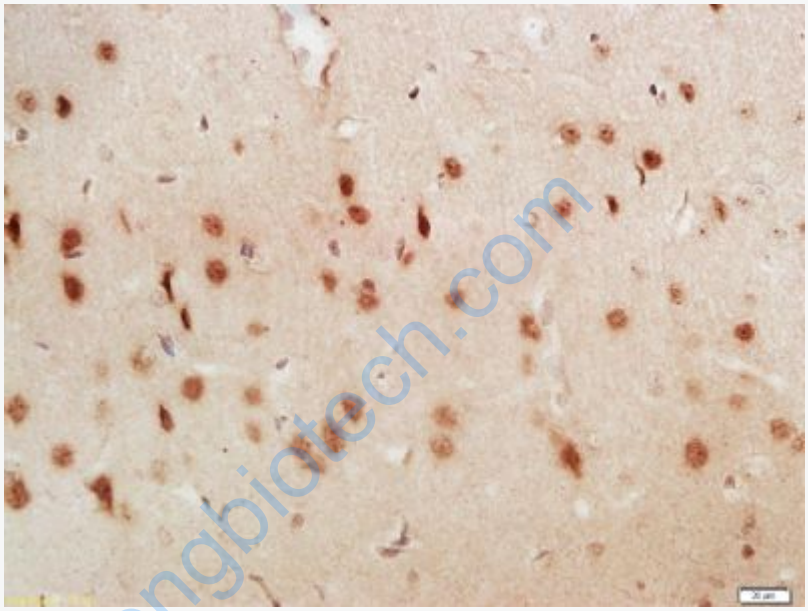
	formation of splicesome via the RE and RS domains. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2009] **Function:** Binds cAMP regulatory element DNA sequence. May play a role in RNA splicing. **Subcellular Location:** Nucleus speckle. The subnuclear localization is affected by cisplatin. **Tissue Specificity:** Widely expressed. Highest levels in heart, brain, pancreas, 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. **SWISS:** O95232 **Gene ID:** 51747 **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

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