

信号转导蛋白亚基 7A 抗体

产品货号： mlR9124

英文名称： COPS7A

中文名称： 信号转导蛋白亚基 7A 抗体

别 名： DERP10; COP9 signalosome complex subunit 7a; CSN7A; Dermal papilla derived protein 10; JAB1 containing signalosome subunit 7a; SGN7a; Signalosome subunit 7a; CSN7A_HUMAN.

研究领域： 细胞生物 免疫学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 30kDa

细胞定位： 细胞核 细胞浆

性 状： Lyophilized or Liquid

浓 度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human COPS7A:201-275/275

亚 型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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

产品介绍： COPS7A is a component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2.

Function:

Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, JUN, I-kappa-B-alpha/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively.

Subunit:

Component of the CSN complex, composed of COPS1/GPS1, COPS2, COPS3, COPS4, COPS5, COP6, COPS7 (COPS7A or COPS7B) and COPS8. In the complex, it probably interacts directly with COPS1, COPS2, COPS4, COPS5, COPS6 and COPS8. Interacts with PMF1. Interacts with the translation initiation factor EIF3S6. Interacts with CK2 and PKD. Interacts directly with ID3.

Subcellular Location:

Cytoplasmic and Nuclear.

Tissue Specificity:

Widely expressed. Expressed at high level in brain, heart and skeletal muscle.

DISEASE:

Phosphorylated by CK2 and PKD kinases. Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Belongs to the CSN7/EIF3M family. CSN7 subfamily.

Contains 1 PCI domain.

SWISS:

Q9UBW8

Gene ID:

50813

Important Note:

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

产品图片

