

COPA Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3390a**Specification**

COPA Antibody (internal region) - Product Information

Application	WB
Primary Accession	P53621
Other Accession	NP_001091868.1 , NP_004362.2 , 1314 , 12847 (mouse) , 304978 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	138346

COPA Antibody (internal region) - Additional Information**Gene ID** 1314**Other Names**

Coatomer subunit alpha, Alpha-coat protein, Alpha-COP, HEP-COP, HEPCOP, Xenin, Xenopsin-related peptide, Proxenin, COPA

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

COPA Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

COPA Antibody (internal region) - Protein Information**Name** COPA**Function**

The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to

ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors (By similarity).

Cellular Location

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic vesicle, COPI-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Note=The coatomer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it.

Tissue Location

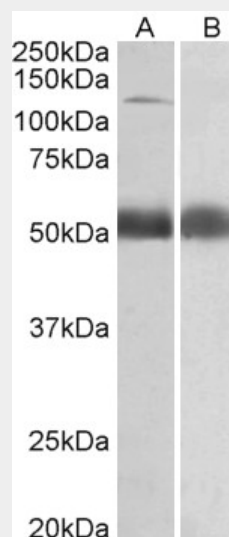
Uniformly expressed in a wide range of adult and fetal tissues. Xenin is found in gastric, duodenal and jejunal mucosa Circulates in the blood. Seems to be confined to specific endocrine cells

COPA Antibody (internal region) - 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](#)

COPA Antibody (internal region) - Images



AF3390a (0.5 µg/ml) staining of Human Prostate lysate (35 µg protein in RIPA buffer) with (B) and without (A) blocking with the immunizing peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

COPA Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_001091868.1; NP_004362.2).

COPA Antibody (internal region) - References

Yip1A regulates the COPI-independent retrograde transport from the Golgi complex to the ER. Kano F, Yamauchi S, Yoshida Y, Watanabe-Takahashi M, Nishikawa K, Nakamura N, Murata M, Journal of cell science 2009 Jul 122 (Pt 13): 2218-27. PMID: 19509059