10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

COPA antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13341

Product Information

Application	WB
Primary Accession	P53621
Other Accession	NM_004371, NP_004362
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138346

Additional Information

Gene ID	1314
Alias Symbol	FLJ26320, HEP-COP
Other Names	Coatomer subunit alpha, Alpha-coat protein, Alpha-COP, HEP-COP, HEPCOP, Xenin, Xenopsin-related peptide, Proxenin, COPA
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-COPA antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	COPA antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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.

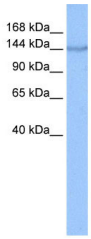
Tissue Location

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

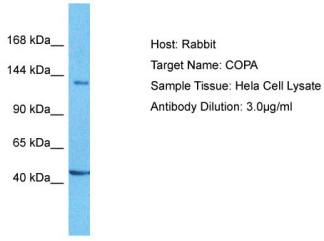
References

Chow V.T.K.,et al.Gene 169:223-227(1996).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Feurle G.E.,et al.J. Biol. Chem. 267:22305-22309(1992).
Chow V.T.K.,et al.Ann. Hum. Genet. 61:369-373(1997).

Images



WB Suggested Anti-COPA Antibody Titration: 0.2-1 µg/ml
Positive Control: Hela cell lysate
COPA is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells



Host: Rabbit
Target Name: COPA
Sample Tissue: Hela Whole Cell lysates
Antibody Dilution: 3µg/ml