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COPA antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13341

Specification

COPA antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	P53621
Other Accession	NM_004371, NP_004362
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Yeast, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**135kDa KDa**

COPA antibody - N-terminal region - 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.

COPA antibody - N-terminal 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.

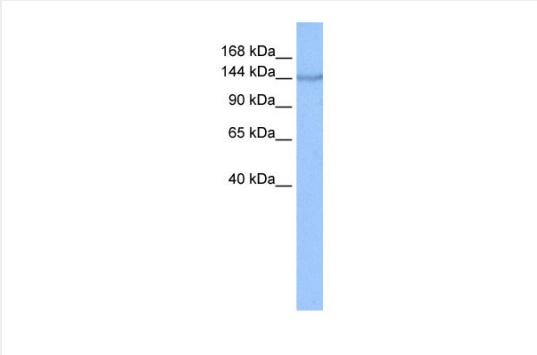
Tissue Location
Uniformly expressed in a wide range of adult and fetal tissues. Xenin is found in gastric, duodenal and jejunal mucosa Circulates in the blood. Seems to be confined to specific endocrine cells

COPA antibody - N-terminal region - Protocols

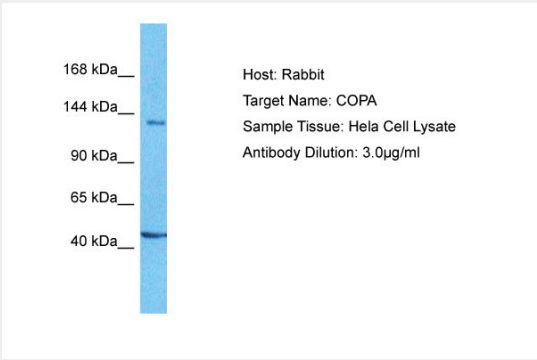
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

COPA antibody - N-terminal region - 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

COPA antibody - N-terminal region - References

Chow V.T.K.,et al.Gene 169:223-227(1996).
Gregory S.G.,et al.Nature 441:315-321(2006).
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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).