Product Name: COP ζ1 Rabbit Polyclonal Antibody
Catalog #: APRab09245

Summary

Production Name	COP ζ1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,WB,ELISA
Reactivity	Human,Mouse,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	COPZ1
Alternative Names	COPZ1; COPZ; CGI-120; HSPC181; Coatomer subunit zeta-1; Zeta-1-coat protein; Zeta-1 COP
Gene ID	22818.0
SwissProt ID	P61923.The antiserum was produced against synthesized peptide derived from human COPZ1. AA range:11-60

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000..
Molecular Weight	20kD

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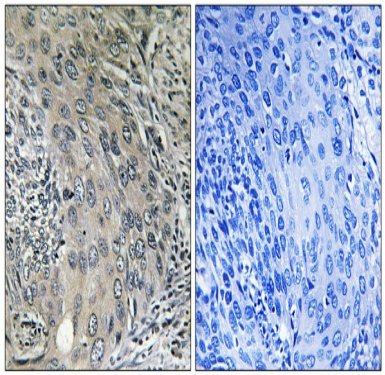
Background

This gene encodes a subunit of the cytoplasmic coatamer protein complex, which is involved in autophagy and intracellular protein trafficking. The coatomer protein complex is comprised of seven subunits and functions as the coat protein of coat protein complex (COP)I-vesicles. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012],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.,function:The zeta subunit may be involved in regulating the coat assembly and, hence, the rate of biosynthetic protein transport due to its association-dissociation properties with the coatomer complex.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the adaptor complexes small subunit family.,subcellular location:The coatomer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it.,subunit:Oligomeric complex that consists of at least the alpha, beta, beta', gamma, delta, epsilon and zeta subunits.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human cervix carcinoma tissue, using COPZ1 Antibody. The picture on the right is blocked with the synthesized peptide.

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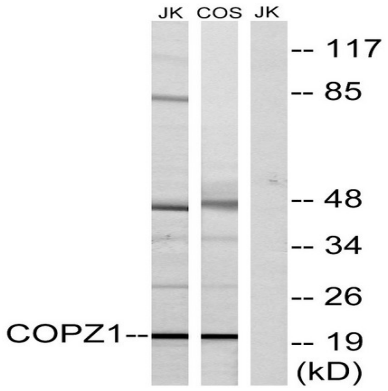
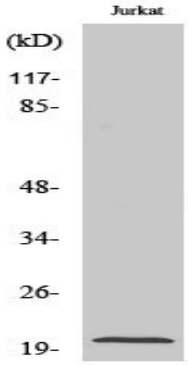


Western blot analysis of lysates from Jurkat and COS cells, using COPZ1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using COP ζ1 Polyclonal Antibody diluted at 1： 500

Note

For research use only.