

Anti-Zeta COP Antibody

Rabbit polyclonal antibody to Zeta COP Catalog # AP60557

Product Information

ApplicationWB, IHCPrimary AccessionP61923Other AccessionP61924

Reactivity Human, Mouse, Rat, Monkey, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 20198

Additional Information

Gene ID 22818

Other Names COPZ; Coatomer subunit zeta-1; Zeta-1-coat protein; Zeta-1 COP

Target/Specificity KLH-conjugated synthetic peptide encompassing a sequence within the

N-term region of human Zeta COP. The exact sequence is proprietary.

Dilution WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC

(1/100 - 1/200)

Format Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name COPZ1

Synonyms COPZ

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 (By similarity). 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 (By similarity).

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein;

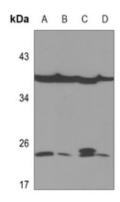
Cellular Location

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.

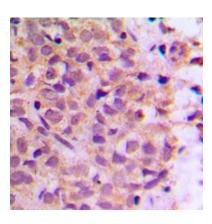
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Zeta COP. The exact sequence is proprietary.

Images



Western blot analysis of Zeta COP expression in mouse liver (A), mouse lung (B), rat liver (C), rat lung (D) whole cell lysates.



Immunohistochemical analysis of Zeta COP staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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