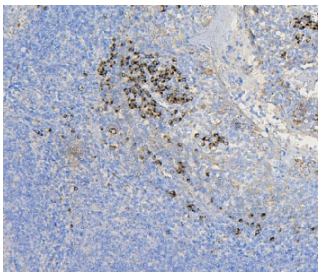
COPE Antibody [clone 9B6] (RQ5522)

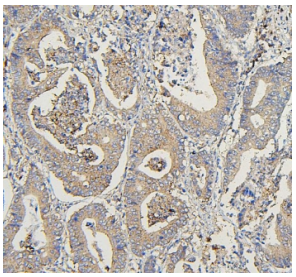
Catalog No.	Formulation	Size
RQ5522	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

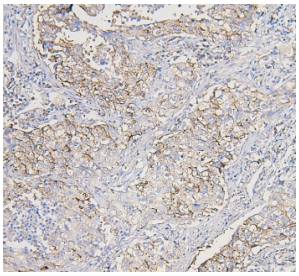
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	9B6
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O14579
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This COPE antibody is available for research use only.



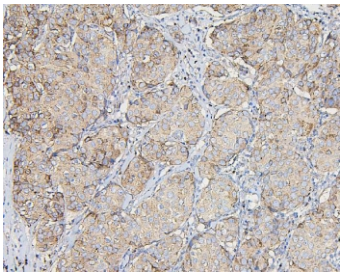
IHC staining of FFPE human tonsil with COPE antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



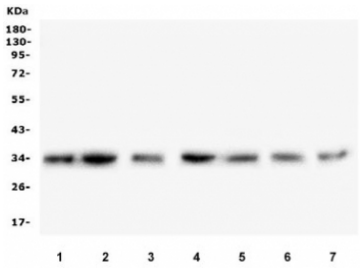
IHC staining of FFPE human intestinal cancer with COPE antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



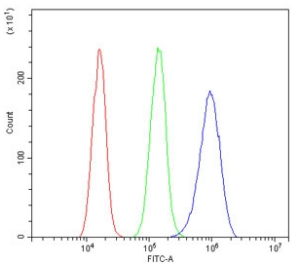
IHC staining of FFPE human lung cancer with COPE antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



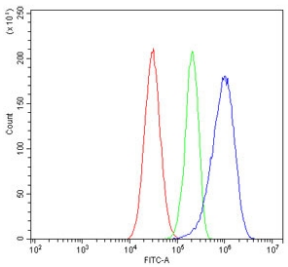
IHC staining of FFPE human breast cancer with COPE antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



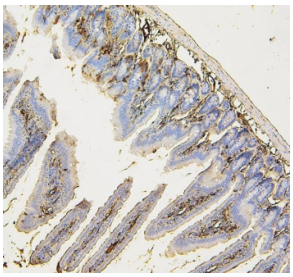
Western blot testing of human 1) HEK293, 2) HepG2, 3) placenta, 4) Caco-2, 5) A549, 6) PANC-1 and 7) SW579 lysate with COPE antibody. Predicted molecular weight ~34 kDa.



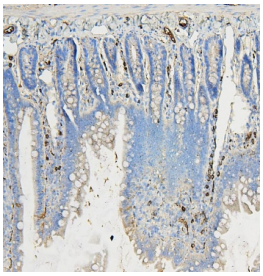
Flow cytometry testing of human A431 cells with COPE antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= COPE antibody.



Flow cytometry testing of human HepG2 cells with COPE antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= COPE antibody.



IHC staining of FFPE mouse intestine with COPE antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE rat intestine with COPE antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.

Description

Coatomer subunit epsilon is a protein that in humans is encoded by the COPE gene. The product of this gene is an epsilon subunit of coatomer protein complex. Coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles. It is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. Coatomer complex consists of at least the alpha, beta, beta', gamma, delta, epsilon and zeta subunits. Alternatively spliced transcript variants encoding different isoforms have been identified.

Application Notes

Optimal dilution of the COPE antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids E80-A308) was used as the immunogen for the COPE antibody.

Storage

After reconstitution, the COPE antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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