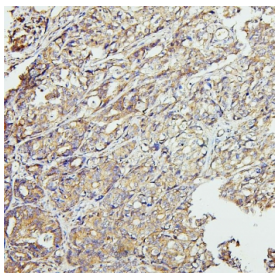
CETP Antibody (RQ5582)

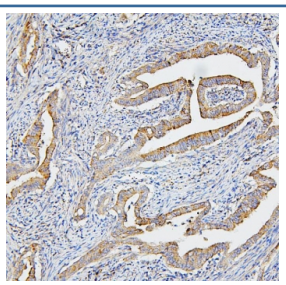
Catalog No.	Formulation	Size
RQ5582	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

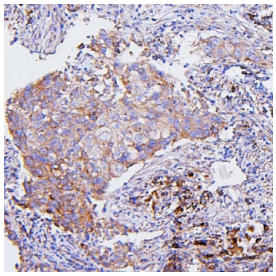
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P11597
Applications	Western Blot : 0.25-0.5ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This CETP antibody is available for research use only.



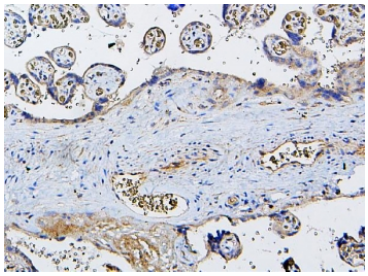
IHC staining of FFPE human stomach cancer with CETP antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



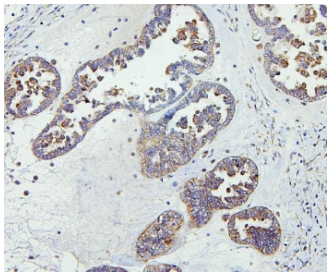
IHC staining of FFPE human intestinal cancer with CETP antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



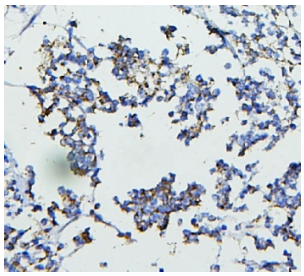
IHC staining of FFPE human breast cancer with CETP antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



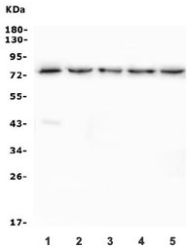
IHC staining of FFPE human placenta with CETP antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



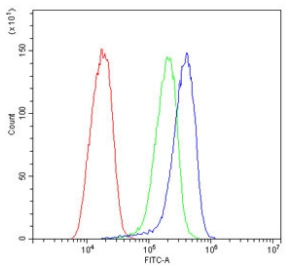
IHC staining of FFPE human ovarian cancer with CETP antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



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



Western blot testing of 1) rat liver, 2) human ThP-1, 3) human Raji, 4) human U-87 MG and 5) mouse RAW246.7 lysate with CETP antibody. Expected molecular weight: 66-74 kDa depending on glycosylation level.



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

Description

CETP (Cholesteryl Ester Transfer Protein Plasma), is a plasma protein that facilitates the transport of cholesteryl esters and triglycerides between the lipoproteins. CETP is also known as lipid transfer protein I (Day et al., 1994). Sparkes et al. (1987) used a CETP probe against DNA from a human/mouse somatic cell hybrid panel to assign the CETP gene to chromosome 16. Because the role of CETP in atherosclerosis remained unclear, Okamoto et al. (2000) attempted to develop a potent, specific CETP inhibitor. One inhibitor, JTT-705, forms a disulfide bond with CETP and increases high density lipoprotein (HDL) cholesterol, decreases non-HDL cholesterol, and inhibits the progression of atherosclerosis in rabbits.

Application Notes

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

Immunogen

A human recombinant protein (amino acids H77-K353) was used as the immunogen for the CETP antibody.

Storage

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