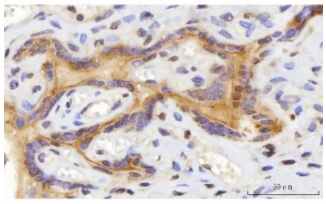
CEP250 Antibody (RQ7157)

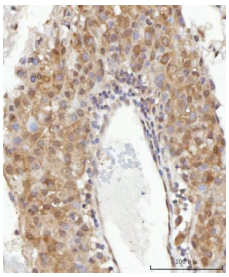
Catalog No.	Formulation	Size
RQ7157	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

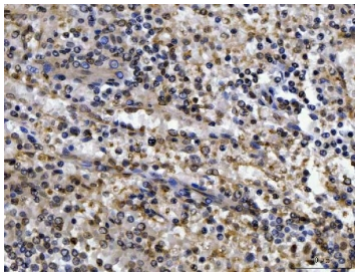
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BV73
Localization	Cytoplasmic, perinuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This CEP250 antibody is available for research use only.



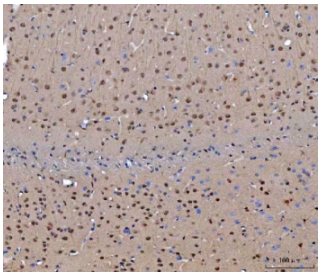
IHC staining of FFPE human placental tissue with CEP250 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



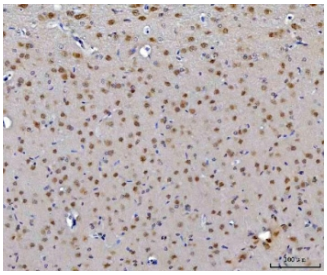
IHC staining of FFPE human liver cancer tissue with CEP250 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



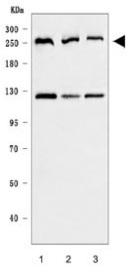
IHC staining of FFPE human spleen tissue with CEP250 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



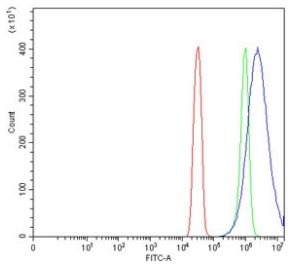
IHC staining of FFPE mouse brain tissue with CEP250 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with CEP250 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HeLa, 2) 293T and 3) HEL cell lysate with CEP250 antibody. Predicted molecular weight ~281 kDa, commonly observed at ~250 kDa.



Flow cytometry testing of human SiHa cells with CEP250 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CEP250 antibody.

Description

Centrosome-associated protein CEP250 is a protein that in humans is encoded by the CEP250 gene. This gene encodes a core centrosomal protein required for centriole-centriole cohesion during interphase of the cell cycle. The encoded protein dissociates from the centrosomes when parental centrioles separate at the beginning of mitosis. The protein associates with and is phosphorylated by NIMA-related kinase 2, which is also associated with the centrosome. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the CEP250 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q563-K853) was used as the immunogen for the CEP250 antibody.

Storage

After reconstitution, the CEP250 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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