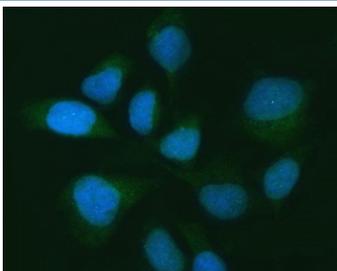


Ubiquitin carboxyl-terminal hydrolase 16 Antibody / USP16 (RQ7453)

Catalog No.	Formulation	Size
RQ7453	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

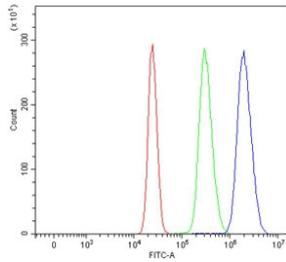
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y5T5
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Ubiquitin carboxyl-terminal hydrolase 16 antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with Ubiquitin carboxyl-terminal hydrolase 16 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) HEL and 3) K562 cell lysate with Ubiquitin carboxyl-terminal hydrolase 16 antibody. Predicted molecular weight ~94 kDa.



Flow cytometry testing of human HepG2 cells with Ubiquitin carboxyl-terminal hydrolase 16 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Ubiquitin carboxyl-terminal hydrolase 16 antibody.

Description

Ubiquitin carboxyl-terminal hydrolase 16 is an enzyme that in humans is encoded by the USP16 gene. It is mapped to 21q21.3. This gene encodes a deubiquitinating enzyme that is phosphorylated at the onset of mitosis and then dephosphorylated at the metaphase/anaphase transition. It can deubiquitinate H2A, one of two major ubiquitinated proteins of chromatin, in vitro and a mutant form of the protein was shown to block cell division. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Application Notes

Optimal dilution of the Ubiquitin carboxyl-terminal hydrolase 16 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids H103-Q683) was used as the immunogen for the Ubiquitin carboxyl-terminal hydrolase 16 antibody.

Storage

After reconstitution, the Ubiquitin carboxyl-terminal hydrolase 16 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.