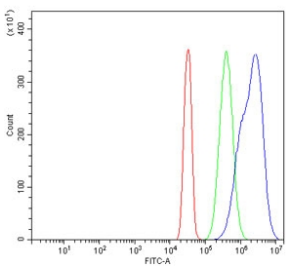
USP1 Antibody / Ubiquitin carboxyl-terminal hydrolase 1 (RQ6728)

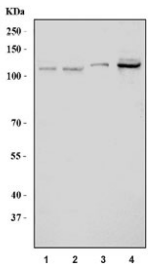
Catalog No.	Formulation	Size
RQ6728	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Monkey
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	O94782
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This USP1 antibody is available for research use only.



Flow cytometry testing of human SiHa cells with USP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= USP1 antibody.



Western blot testing of 1) human HepG2, 2) monkey COS-7, 3) mouse kidney and 4) mouse testis tissue lysate with USP1 antibody. Expected molecular weight: 90-110 kDa.

Description

Ubiquitin carboxyl-terminal hydrolase 1 is an enzyme that in humans is encoded by the USP1 gene. This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinylated proteins. The protein specifically deubiquitinates a protein in the Fanconi anemia (FA) DNA repair pathway. Alternate transcriptional splice variants have been characterized.

Application Notes

Optimal dilution of the USP1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K73-Y545) was used as the immunogen for the USP1 antibody.

Storage

After reconstitution, the USP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.