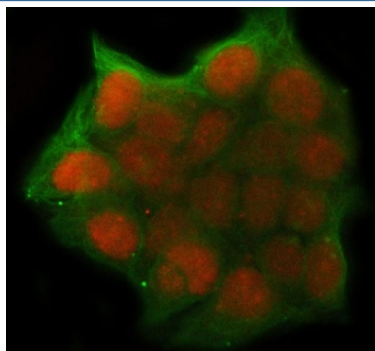


## UHRF1 Antibody (RQ7810)

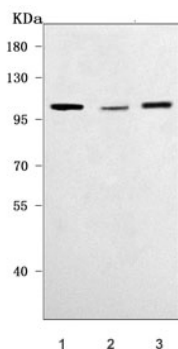
Catalog No.	Formulation	Size
RQ7810	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

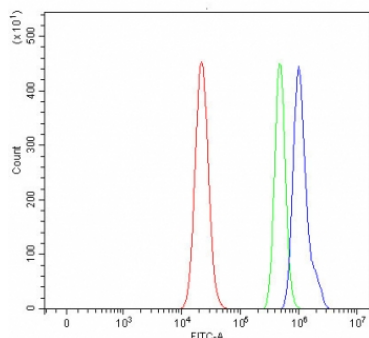
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q96T88
<b>Localization</b>	Nuclear
<b>Applications</b>	Western blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This UHRF1 antibody is available for research use only.



Immunofluorescent staining of FFPE human MCF7 cells with GNB1 antibody (red) and Alpha Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human 293T, 2) human A549 and 3) mouse SP2/0 cell lysate with UHRF1 antibody. Predicted molecular weight ~91 kDa, commonly observed at 91-106 kDa.



Flow cytometry testing of human RT4 cells with UHRF1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= UHRF1 antibody.

## Description

Ubiquitin-like, containing PHD and RING finger domains, 1 is a protein which in humans is encoded by the UHRF1 gene. This gene encodes a member of a subfamily of RING-finger type E3 ubiquitin ligases. The protein binds to specific DNA sequences, and recruits a histone deacetylase to regulate gene expression. Its expression peaks at late G1 phase and continues during G2 and M phases of the cell cycle. It plays a major role in the G1/S transition by regulating topoisomerase II $\alpha$  and retinoblastoma gene expression, and functions in the p53-dependent DNA damage checkpoint. It is regarded as a hub protein for the integration of epigenetic information. This gene is up-regulated in various cancers, and it is therefore considered to be a therapeutic target. Multiple transcript variants encoding different isoforms have been found for this gene. A related pseudogene exists on chromosome 12.

## Application Notes

Optimal dilution of the UHRF1 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids K592-R793) was used as the immunogen for the UHRF1 antibody.

## Storage

After reconstitution, the UHRF1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.