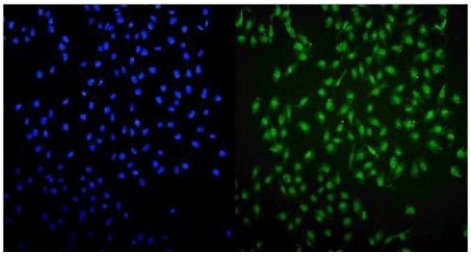
UHRF1 Antibody (R32309)

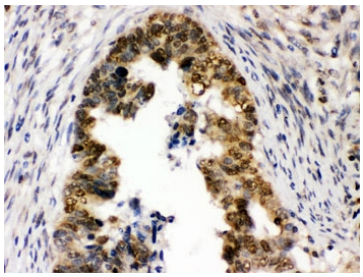
Catalog No.	Formulation	Size
R32309	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

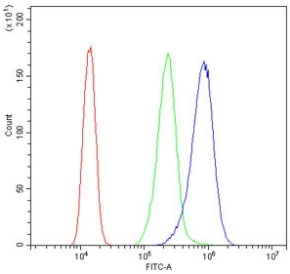
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q96T88
Localization	Nuclear
Applications	Western blot: 0.1-0.5ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Immunofluorescence: 2-4ug/ml
Limitations	This UHRF1 antibody is available for research use only.



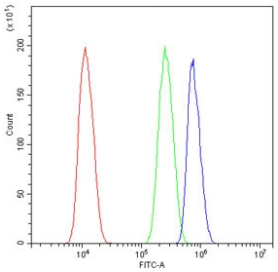
Immunofluorescent staining of FFPE human U-2 OS cells with UHRF1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



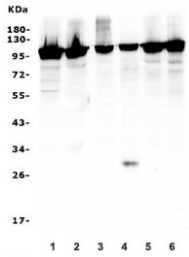
IHC testing of FFPE human intestinal cancer tissue with UHRF1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Flow cytometry testing of human A431 cells with UHRF1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= UHRF1 antibody.



Flow cytometry testing of human U-2 OS cells with UHRF1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= UHRF1 antibody.



Western blot testing of human 1) HEK293, 2) T-47D, 3) A549, 4) HepG2, 5) MDA-MB-453 and 6) Raji cell lysate with UHRF1 antibody. Expected molecular weight: 91-106 kDa.

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 IIalpha 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

Amino acids HTVDSLSRLTKVEELRRKIQELFHVEPGLQRLFYRGKQ of human UHRF1 were used as the immunogen for the UHRF1 antibody.

Storage

After reconstitution, the UHRF1 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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