

Product datasheet

Anti-UHRF1 antibody ab153972

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Overview

Product name	Anti-UHRF1 antibody
Description	Rabbit polyclonal to UHRF1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment, corresponding to a region within amino acids 51-516 of Human UHRF1.
Positive control	HeLa whole cell lysate; Human BT483 xenograft; HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

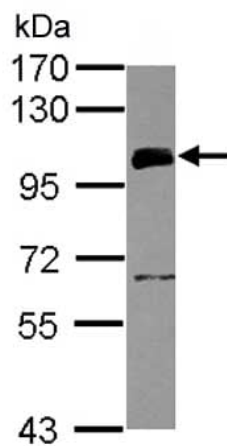
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab153972 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 89 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol using 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).
ICC/IF		1/100 - 1/1000.

Target

Function	Putative E3 ubiquitin-protein ligase. May participate in methylation-dependent transcriptional regulation. Binds to inverted 5'-CCAAT-3' box 2 in the TOP2A promoter, and activates TOP2A expression. Important for G1/S transition. May be involved in DNA repair and chromosomal stability.
Tissue specificity	Expressed in thymus, bone marrow, testis, lung and heart. Overexpressed in breast cancer.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Contains 1 PHD-type zinc finger. Contains 2 RING-type zinc fingers. Contains 1 ubiquitin-like domain. Contains 1 YDG domain.
Developmental stage	Expressed in fetal thymus, liver and kidney.
Domain	The RING finger is required for ubiquitin ligase activity. The YDG domain mediates the interaction with histone H3.
Post-translational modifications	Phosphorylated on serine residues. Phosphorylation may enhance DNA-binding activity. Ubiquitinated; which leads to proteasomal degradation. Polyubiquitination may be stimulated by DNA damage.
Cellular localization	Nucleus.

Images

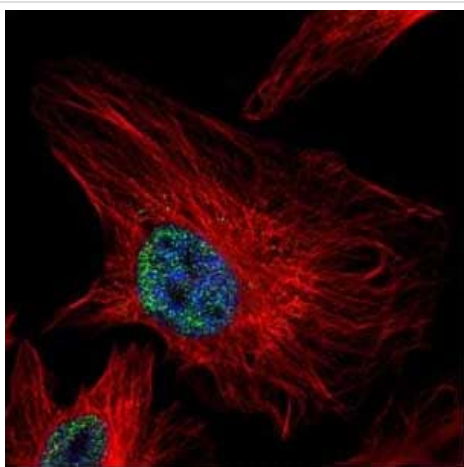


Western blot - Anti-UHRF1 antibody (ab153972)

Anti-UHRF1 antibody (ab153972) at 1/2000 dilution + HeLa whole cell lysate at 30 µg

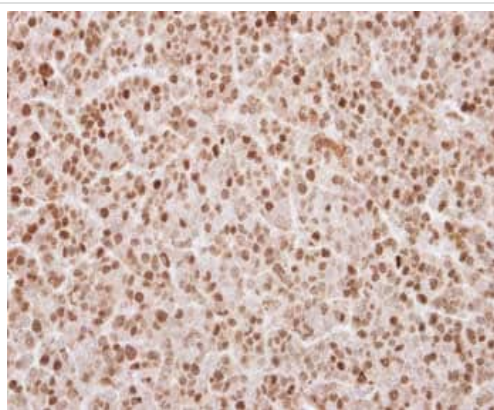
Predicted band size: 89 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-UHRF1 antibody (ab153972)

Immunofluorescent analysis of paraformaldehyde-fixed HeLa cells labeling UHRF1 with ab153972 at 1/500 dilution (Green). Alpha-tubulin filaments were labeled Red.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UHRF1 antibody (ab153972)

Immunohistochemical analysis of paraffin-embedded Human BT483 xenograft labeling UHRF1 with ab153972 at 1/250 dilution.

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