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UHRF1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant UHRF1.
Catalog # AT4461a

Product Information

Application	WB, IHC, IF
Primary Accession	Q96T88
Other Accession	NM_013282
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3A11
Calculated MW	89814

Additional Information

Gene ID	29128
Other Names	E3 ubiquitin-protein ligase UHRF1, 632-, Inverted CCAAT box-binding protein of 90 kDa, Nuclear protein 95, Nuclear zinc finger protein Np95, HuNp95, hNp95, RING finger protein 106, Transcription factor ICBP90, Ubiquitin-like PHD and RING finger domain-containing protein 1, hUHRF1, Ubiquitin-like-containing PHD and RING finger domains protein 1, UHRF1, ICBP90, NP95, RNF106
Target/Specificity	UHRF1 (NP_037414, 694 a.a. ~ 793 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	UHRF1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

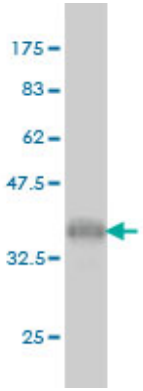
Background

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. Multiple transcript variants encoding different isoforms have been found for this gene.

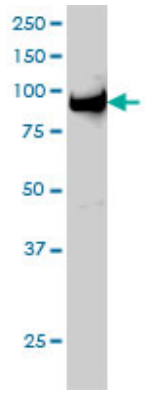
References

1.DNMT1 Stability Is Regulated by Proteins Coordinating Deubiquitination and Acetylation-Driven Ubiquitination.Du Z, Song J, Wang Y, Zhao Y, Guda K, Yang S, Kao HY, Xu Y, Willis J, Markowitz SD, Sedwick D, Ewing RM, Wang Z.Sci Signal. 2010 Nov 2;3(146):ra80.2.Interplay between Np95 and Eme1 in the DNA damage response.Mistry H, Gibson L, Yun JW, Sarras H, Tamblyn L, McPherson JP.Biochem Biophys Res Commun. 2008 Oct 24;375(3):321-5. Epub 2008 Aug 8.

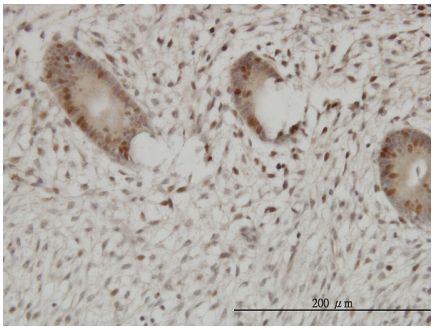
Images



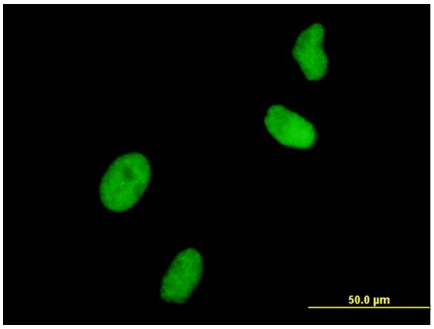
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



UHRF1 monoclonal antibody (M01), clone 3A11 Western Blot analysis of UHRF1 expression in Hela S3 NE ((Cat # AT4461a)



Immunoperoxidase of monoclonal antibody to UHRF1 on formalin-fixed paraffin-embedded human endometrium. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to UHRF1 on HeLa cell. [antibody concentration 10 ug/ml]