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UHRF1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant UHRF1.
Catalog # AT4462a

Product Information

Application	WB, IF, E
Primary Accession	Q96T88
Other Accession	NM_013282
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3B12
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 IF~~1:50~200 E~~N/A
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) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

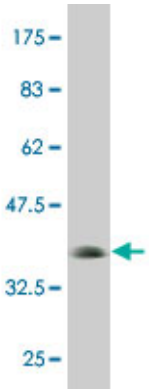
Background

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.

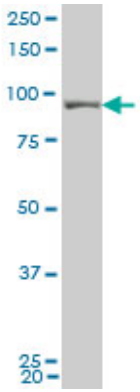
References

Disruption of Dnmt1/PCNA/UHRF1 interactions promotes tumorigenesis from human and mice glial cells. Hervouet E, et al. PLoS One, 2010 Jun 29. PMID 20613874.Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, et al. Int J Mol Med, 2010 Apr. PMID 20198315.Assessment of a polymorphism of SDK1 with hypertension in Japanese Individuals. Oguri M, et al. Am J Hypertens, 2010 Jan. PMID 19851296.UHRF1 recruits the histone acetyltransferase Tip60 and controls its expression and activity. Achour M, et al. Biochem Biophys Res Commun, 2009 Dec 18. PMID 19800870.Np95 interacts with de novo DNA methyltransferases, Dnmt3a and Dnmt3b, and mediates epigenetic silencing of the viral CMV promoter in embryonic stem cells. Meilinger D, et al. EMBO Rep, 2009 Nov. PMID 19798101.

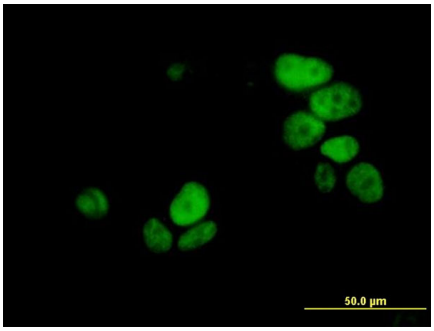
Images



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

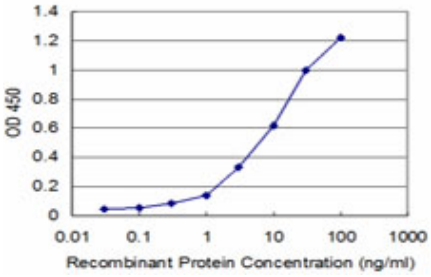


UHRF1 monoclonal antibody (M02), clone 3B12 Western Blot analysis of UHRF1 expression in MCF-7 ((Cat # AT4462a)



Immunofluorescence of monoclonal antibody to UHRF1 on MCF-7 cell . [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged UHRF1 is approximately 1ng/ml as a capture antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.