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UHRF1BP1 Antibody

Catalog # ASC11367

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q6BDS2
Other Accession	NP_060224, 134152667
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	159485
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	UHRF1BP1 antibody can be used for detection of UHRF1BP1 by Western blot at 1 - 2 □g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 □g/mL. For immunofluorescence start at 20 □g/mL.

Additional Information

Gene ID	54887
Other Names	UHRF1-binding protein 1, ICBP90-binding protein 1, Ubiquitin-like containing PHD and RING finger domains 1-binding protein 1, UHRF1BP1, C6orf107
Target/Specificity	UHRF1BP1; UHRF1BP1 antibody is predicted to not cross-react with UHRF1BP1L
Reconstitution & Storage	UHRF1BP1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	UHRF1BP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BLTP3A (HGNC:21216)
Synonyms	C6orf107, UHRF1BP1
Function	Tube-forming lipid transport protein which probably mediates the transfer of lipids between membranes at organelle contact sites (PubMed:35499567). May be involved in the retrograde traffic of vesicle clusters in the endocytic pathway to the Golgi complex (PubMed:35499567).
Cellular Location	Late endosome.

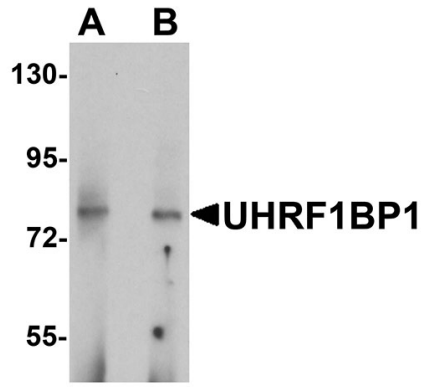
Background

UHRF1BP1 Antibody: The Ubiquitin-like containing PHD and RING finger domains 1-binding protein 1 (UHRF1BP1), also known as ICBP90, is a transcription and cell cycle regulator. It specifically binds to the histone H3 N-terminal tail when methylated on K9 by two functional domains, a PHD finger that defines the binding specificity and an SRA (SET- and RING-associated) domain that promotes binding activity. UHRF1BP1 is required for proper heterochromatin formation in mammalian cells. Furthermore, UHRF1BP1 is thought to be a pivotal target for the ERK1/2 signaling pathway to control the proliferation of Jurkat T cells.

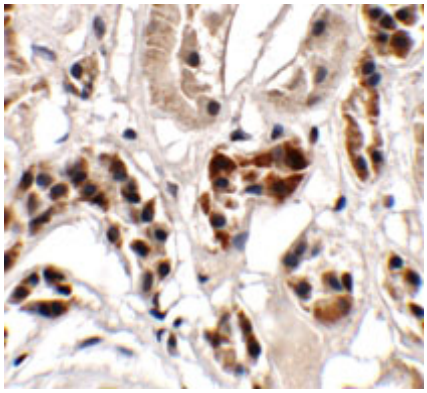
References

Hopfner R, Mousli M, Jeltsch JM, et al. ICBP90, a novel human CCAAT binding protein, involved in the regulation of Topoisomerase IIα expression. Cancer Res. 2000; 60:121-8
Unoki M, Nishidate T and Nakamura Y. ICBP90, an E2F-1 target, recruits HDAC1 and binds to methyl-CpG through its SRA domain. Oncogene 2004; 23:7601-10.
Karagianni P, Amazit L, Qin J, et al. ICBP90, a novel methyl K9 H3 binding protein linking protein ubiquitination with heterochromatin formation. Mol. Cell Biol. 2008; 28:705-17.
Fang Z, Xing F, Bronner C, et al. ICBP90 mediates the ERK1/2 signaling to regulate the proliferation of Jurkat T cells. Cell Immunol. 2009; 257:80-7.

Images

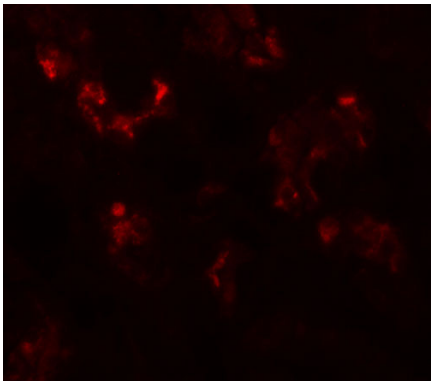


Western blot analysis of UHRF1BP1 in mouse kidney tissue lysate with UHRF1BP1 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of UHRF1BP1 in human kidney tissue with UHRF1BP1 antibody at 2.5 µg/mL.

Immunofluorescence of UHRF1BP1 in human kidney tissue with UHRF1BP1 antibody at 20 µg/mL.



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