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UBR2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant UBR2.
Catalog # AT4451a

Product Information

Application	WB, IF, E
Primary Accession	Q8IWV8
Other Accession	NM_015255
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4G4
Calculated MW	200538

Additional Information

Gene ID	23304
Other Names	E3 ubiquitin-protein ligase UBR2, 632-, N-recognin-2, Ubiquitin-protein ligase E3-alpha-2, Ubiquitin-protein ligase E3-alpha-II, UBR2, C6orf133, KIAA0349
Target/Specificity	UBR2 (NP_056070, 1 a.a. ~ 100 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	UBR2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

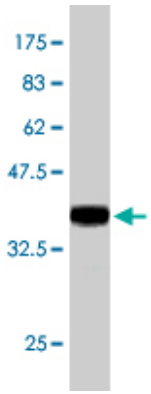
This gene encodes an E3 ubiquitin ligase of the N-end rule proteolytic pathway that targets proteins with destabilizing N-terminal residues for polyubiquitylation and proteasome-mediated degradation. Alternative splicing results in multiple transcript variants.

References

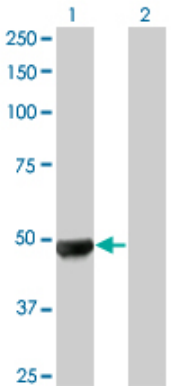
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Role of N-end rule ubiquitin ligases UBR1 and UBR2 in regulating the leucine-mTOR signaling pathway. Kume K, et al. Genes Cells, 2010 Apr 1. PMID

20298436.Identification of a novel antibody associated with autoimmune pancreatitis. Frulloni L, et al. N Engl J Med, 2009 Nov 26. PMID 19940298.Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID 17643375.Deficiency of UBR1, a ubiquitin ligase of the N-end rule pathway, causes pancreatic dysfunction, malformations and mental retardation (Johanson-Blizzard syndrome). Zenker M, et al. Nat Genet, 2005 Dec. PMID 16311597.

Images

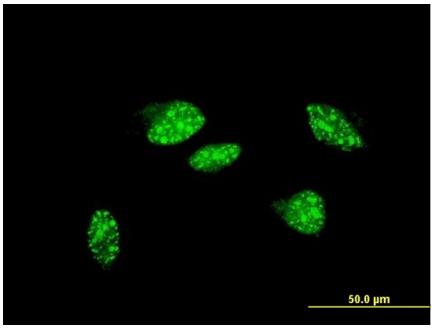


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .

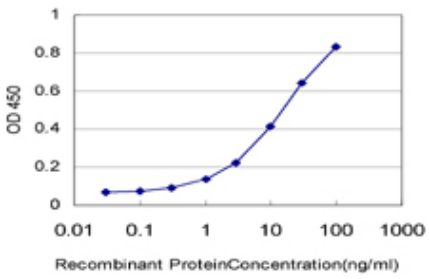


Western Blot analysis of UBR2 expression in transfected 293T cell line by UBR2 monoclonal antibody (M01), clone 4G4.

Lane 1: UBR2 transfected lysate(50 KDa).
Lane 2: Non-transfected lysate.

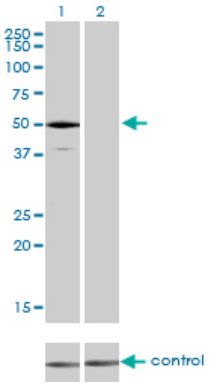


Immunofluorescence of monoclonal antibody to UBR2 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged UBR2 is approximately 0.3ng/ml as a capture antibody.

Western blot analysis of UBR2 over-expressed 293 cell line, cotransfected with UBR2 Validated Chimera RNAi ((Cat # AT4451a)



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