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Ubr1 Polyclonal Antibody

Catalog # AP72991

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q8IWV7
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	200211

Additional Information

Gene ID	197131
Other Names	UBR1; E3 ubiquitin-protein ligase UBR1; N-recognin-1; Ubiquitin-protein ligase E3-alpha-1; Ubiquitin-protein ligase E3-alpha-I
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

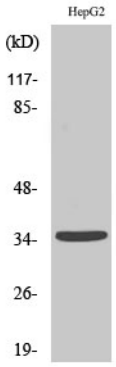
Name	UBR1 {ECO:0000303|PubMed:15317757, ECO:0000312|HGNC:HGNC:16808}
Function	E3 ubiquitin-protein ligase which is a component of the N-end rule pathway (PubMed:15548684, PubMed:16311597, PubMed:18162545, PubMed:20835242, PubMed:28392261). Recognizes and binds proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation (PubMed:18162545, PubMed:20835242, PubMed:28392261). Recognizes both type-1 and type-2 N-degrons, containing positively charged amino acids (Arg, Lys and His) and bulky and hydrophobic amino acids, respectively (PubMed:18162545). Does not ubiquitinate proteins that are acetylated at the N-terminus (PubMed:20835242). In contrast, it strongly binds methylated N-degrons (PubMed:28392261). Binds leucine and is a negative regulator of the leucine-mTOR signaling pathway, thereby controlling cell growth (PubMed:20298436).
Cellular Location	Cytoplasm, cytosol.

Tissue Location	Broadly expressed, with highest levels in skeletal muscle, kidney and pancreas. Present in acinar cells of the pancreas (at protein level).

Background

E3 ubiquitin-protein ligase which is a component of the N-end rule pathway. Recognizes and binds to proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation. May be involved in pancreatic homeostasis. Binds leucine and is a negative regulator of the leucine-mTOR signaling pathway, thereby controlling cell growth.

Images



Western Blot analysis of various cells using Ubr1 Polyclonal Antibody diluted at 1：2000. Secondary antibody was diluted at 1:20000

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