

产品名称: Ubr1 Rabbit Polyclonal Antibody
产品货号: APRab19582



产品概述 (Summary)

产品名称 (Production Name)	Ubr1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	UBR1
别名 (Alternative Names)	UBR1; E3 ubiquitin-protein ligase UBR1; N-recognin-1; Ubiquitin-protein ligase E3-alpha-1; Ubiquitin-protein ligase E3-alpha-I
基因 ID (Gene ID)	197131.0
蛋白 ID (SwissProt ID)	Q8IWW7.The antiserum was produced against synthesized peptide derived from human UBR1. AA range:821-870

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	200kDa

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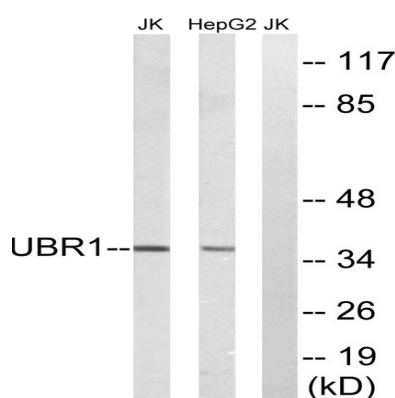
研究背景 (Background)

The N-end rule pathway is one proteolytic pathway of the ubiquitin system. The recognition component of this pathway, encoded by this gene, binds to a destabilizing N-terminal residue of a substrate protein and participates in the formation of a substrate-linked multiubiquitin chain. This leads to the eventual degradation of the substrate protein. The protein described in this record has a RING-type zinc finger and a UBR-type zinc finger. Mutations in this gene have been associated with Johanson-Blizzard syndrome. [provided by RefSeq, Jul 2008],developmental stage:Expressed in fetal pancreas.,disease:Defects in UBR1 are a cause of Johanson-Blizzard syndrome (JBS) [MIM:243800]. This disorder includes congenital exocrine pancreatic insufficiency, multiple malformations such as nasal wing aplasia, and frequent mental retardation. Pancreas of individuals with JBS do not express UBR1 and show intrauterine-onset destructive pancreatitis.,domain:The RING-H2 zinc finger is an atypical RING finger with a His ligand in place of the fourth Cys of the classical motif.,function: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.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the UBR1 family.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 1 UBR-type zinc finger.,subunit:Interacts with RECQL4.,tissue specificity:Broadly expressed, with highest levels in skeletal muscle, kidney and pancreas. Present in acinar cells of the pancreas (at protein level),

研究领域 (Research Area)

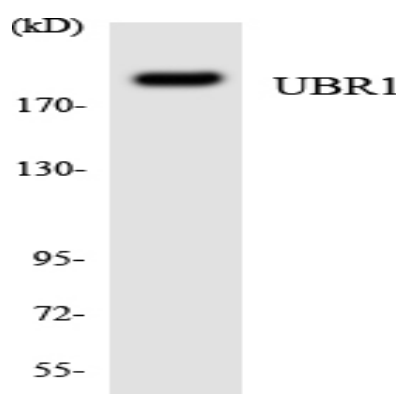
Cell Biology; Proteolysis / Ubiquitin; Proteasome / Ubiquitin; Proteasome

图片 (Image Data)

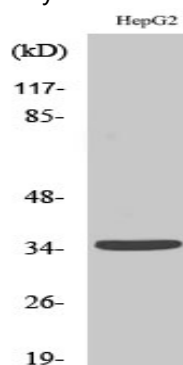


Western blot analysis of lysates from HepG2 and Jurkat cells, using UBR1 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HUVEC cells using UBR1 antibody.



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

注意事项 (Note)

For research use only .