



Ubr1 Monoclonal Antibody

Catalog No	YP-mAb-02819
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	UBR1
Immunogen	The antiserum was produced against synthesized peptide derived from human UBR1. AA range:821-870
Specificity	Ubr1 Monoclonal Antibody detects endogenous levels of Ubr1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	E3 ubiquitin-protein ligase UBR1;EC:2.3.2.27;JBS;N recognin 1;N-recognin-1; Ubr1;Ubiquitin-protein ligase E3-alpha-1;Ubiquitin-protein ligase E3-alpha-I
Observed Band	200kD
Calculated Molecular Weight	200kD
Cell Pathway	Cytoplasm, cytosol .
Tissue Specificity	Broadly expressed, with highest levels in skeletal muscle, kidney and pancreas. Present in acinar cells of the pancreas (at protein level).
Function	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:Phosphoryl

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],

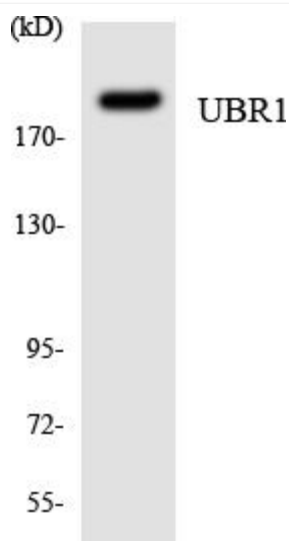
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Ubr1 Monoclonal Antibody