


Anti-UBR1 antibody ab108215

[2 Images](#)

Overview

Product name	Anti-UBR1 antibody
Description	Rabbit polyclonal to UBR1
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Horse, Cow, Dog, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Elephant 
Immunogen	Synthetic peptide corresponding to a region between amino acids 1125-1175 of Human UBR1 (NP_777576.1).
Positive control	Jurkat whole cell lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
Purity	Immunogen affinity purified
Purification notes	ab108215 was affinity purified using an epitope specific to UBR1 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab108215 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 200 kDa.
IP		Use at 2-5 µg/mg of lysate.

Target

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. Binds leucine and is a negative regulator of the leucine-mTOR signaling pathway, thereby controlling cell growth.

Tissue specificity

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

Pathway

Protein modification; protein ubiquitination.

Involvement in 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.

Sequence similarities

Belongs to the UBR1 family.
Contains 1 RING-type zinc finger.
Contains 1 UBR-type zinc finger.

Developmental stage

Expressed in fetal pancreas.

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.

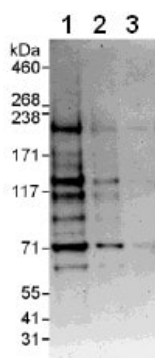
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Cytoplasm > cytosol.

Images



Western blot - Anti-UBR1 antibody (ab108215)

All lanes : Anti-UBR1 antibody (ab108215) at 0.1 µg/ml

Lane 1 : Jurkat whole cell lysate at 50 µg

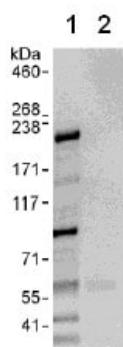
Lane 2 : Jurkat whole cell lysate at 15 µg

Lane 3 : Jurkat whole cell lysate at 5 µg

Developed using the ECL technique.

Predicted band size: 200 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-UBR1 antibody
(ab108215)

Detection of UBR1 by Western Blot of Immunoprecipitate.

Lane 1: ab108215 at 1µg/ml staining UBR1 in Jurkat whole cell lysate immunoprecipitated using ab108215 at 6µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Lane 2: Control IgG

Detection: Chemiluminescence with exposure time of 30 seconds.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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