


Product datasheet

Anti-gp78 antibody ab101284

★ ★ ★ ★ ★ [1 Abreviews](#) [1 References](#) [2 Images](#)

Overview

Product name	Anti-gp78 antibody
Description	Rabbit polyclonal to gp78
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee, Rhesus monkey, Orangutan 
Immunogen	Synthetic peptide corresponding to Human gp78 aa 500-550. Database link: NP_001135.3
Positive control	HeLa and 293T whole cell lysates
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
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab101284 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)	1/2000 - 1/10000. Predicted molecular weight: 73 kDa.
IP		Use at 2-5 µg/mg of lysate.

Target

Function

E3 ubiquitin-protein ligase which can target both itself and other proteins including CD3D and APOB for proteasomal degradation. Mediates polyubiquitination of CYP3A4. Specific receptor for the autocrine motility factor. Mediates tumor invasion and metastasis. Component of a complex required to couple deglycosylation and proteasome-mediated degradation of misfolded proteins in the endoplasmic reticulum that are retrotranslocated in the cytosol. Promotes ubiquitination of misfolded proteins such as mutant CFTR; proposed to mediate sequential ubiquitination by recognizing already ubiquitin-conjugated substrates and to cooperate with E3 ubiquitin-protein ligase RNF5.

Pathway

Protein modification; protein ubiquitination.

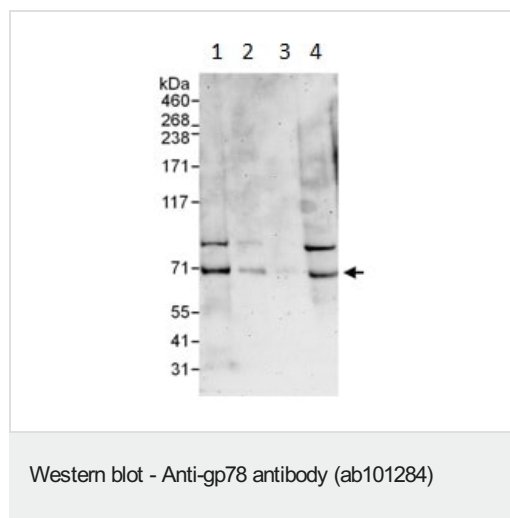
Sequence similarities

Contains 1 CUE domain.
Contains 1 RING-type zinc finger.

Cellular localization

Endoplasmic reticulum membrane.

Images



All lanes : Anti-gp78 antibody (ab101284) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

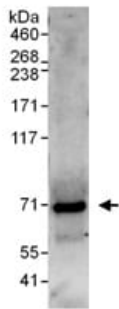
Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : 293T whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 73 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-gp78 antibody (ab101284)

Detection of Human gp78 in immunoprecipitates of HeLa whole cell lysates (1 mg for IP, 20% of IP loaded) using ab101284 at 3 µg/mg lysate for immunoprecipitation and at 1 µg/ml for subsequent Western blotting.

Detection by chemiluminescence with an exposure time of 30 seconds.

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

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