

Product datasheet

Anti-ERp57 antibody ab10287

★★★★★ [2 Abreviews](#) [37 References](#) [4 Images](#)

Overview

Product name	Anti-ERp57 antibody
Description	Rabbit polyclonal to ERp57
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant full length protein corresponding to Mouse ERp57. Database link: P27773
Positive control	WB: Mouse embryonic cells.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

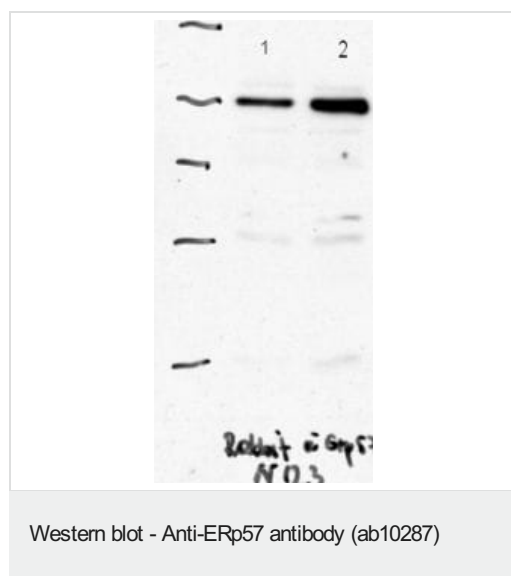
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab10287 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
WB	★★★★★ (1)	1/1000 - 1/3000. Detects a band of approximately 57 kDa (predicted molecular weight: 61 kDa).

Target

Tissue specificity	Detected in the flagellum and head region of spermatozoa (at protein level).
Sequence similarities	Belongs to the protein disulfide isomerase family. Contains 2 thioredoxin domains.
Cellular localization	Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



All lanes : Anti-ERp57 antibody (ab10287) at 1/1000 dilution

Lane 1 : Mouse embryonic cells

Lane 2 : Calreticulin deficient mouse embryonic cells

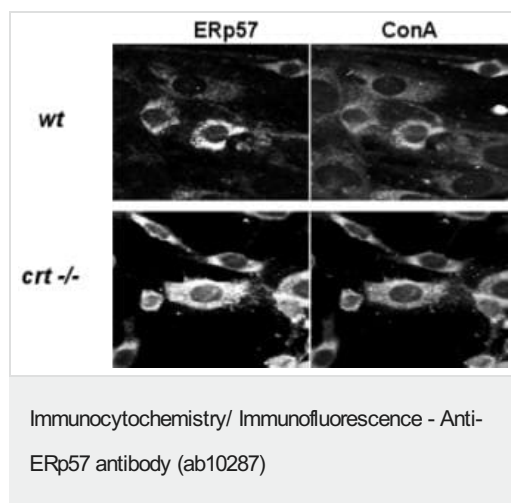
Predicted band size: 61 kDa

Observed band size: 57 kDa

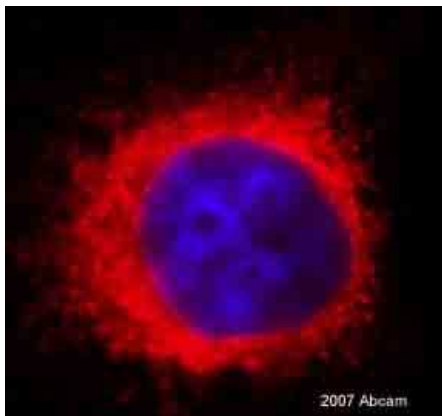
Western blot using ab10287 at 1/1000.

Lane 1 – Mouse Embryonic Fibroblasts.

Lane 2 – Calreticulin deficient Mouse Embryonic Fibroblasts.



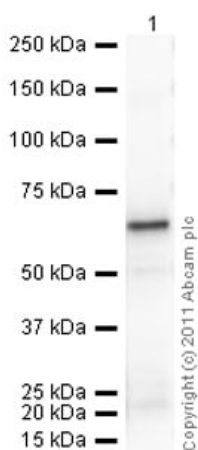
Double staining of mouse embryonic fibroblasts (top) and calreticulin deficient fibroblasts (bottom) with rabbit-anti-ERp57 antibodies (1:100; upper and lower left panel) and FITC-ConA (upper and lower right panel).



Immunocytochemistry/ Immunofluorescence - Anti-ERp57 antibody (ab10287)

This image is courtesy of an anonymous Abreview

ab10287 at 1/100 staining human HeLa cells by ICC/IF. The cells were permeabilized with digitonin before being blocked and then stained with the antibody for 1 hour. An Alexa-Fluor® conjugated goat anti rabbit antibody was used as the secondary.



Western blot - Anti-ERp57 antibody (ab10287)

Anti-ERp57 antibody (ab10287) at 1/1000 dilution + Recombinant Human ERp57 protein ([ab92937](#)) at 0.01 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) ([ab65484](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 61 kDa

Exposure time: 150 seconds

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

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