


Product datasheet

Anti-USP14/TGT antibody ab137433

★★★★★ [1 Abreviews](#) [3 References](#) [4 Images](#)

Overview

Product name	Anti-USP14/TGT antibody
Description	Rabbit polyclonal to USP14/TGT
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Cow, Xenopus laevis, Xenopus tropicalis 
Immunogen	Recombinant fragment corresponding to Human USP14/TGT aa 67-325.
Positive control	Human liver tissue; 293T, A431, Jurkat, Raji and Mouse brain 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. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab137433 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)	1/1000 - 1/10000. Predicted molecular weight: 56 kDa.
IHC-P		1/100 - 1/1000. Suggested antigen retrieval using heat mediated 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).

Target

Function

Proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins. Ensures the regeneration of ubiquitin at the proteasome. Is a reversibly associated subunit of the proteasome and a large fraction of proteasome-free protein exists within the cell. Required for the degradation of the chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis. Serves also as a physiological inhibitor of endoplasmic reticulum-associated degradation (ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1. Indispensable for synaptic development and function at neuromuscular junctions (NMJs).

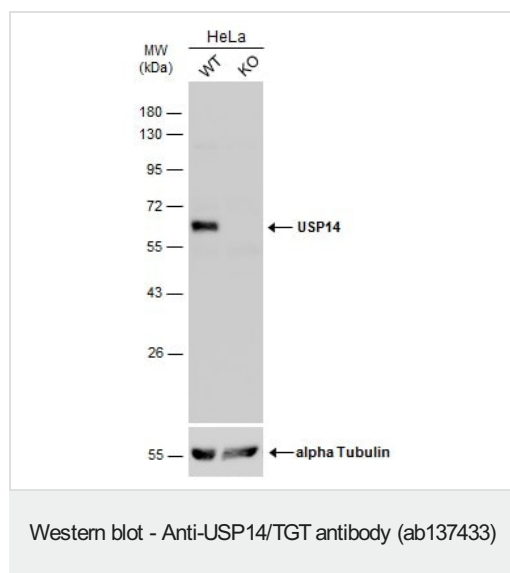
Sequence similarities

Belongs to the peptidase C19 family, USP14/UBP6 subfamily.
Contains 1 ubiquitin-like domain.

Cellular localization

Cytoplasm. Cell membrane.

Images



All lanes : Anti-USP14/TGT antibody (ab137433) at 1/1000 dilution

Lane 1 : WT HeLa cell extract

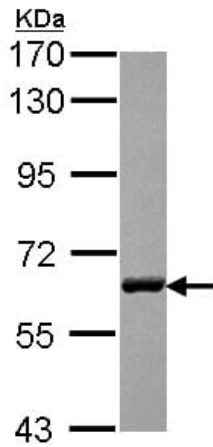
Lane 2 : USP14/TGT Knockout HeLa cell extracts

Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG

Predicted band size: 56 kDa

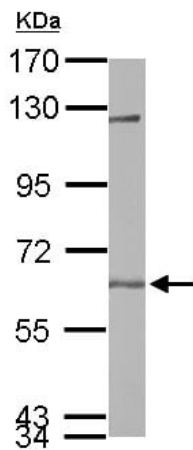


Western blot - Anti-USP14/TGT antibody (ab137433)

Anti-USP14/TGT antibody (ab137433) at 1/1000 dilution + A431 whole cell lysate at 30 μ g

Predicted band size: 56 kDa

7.5% SDS PAGE

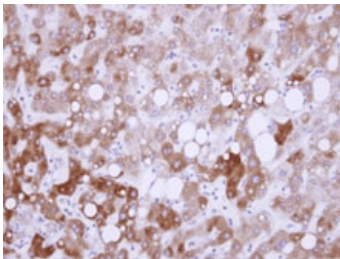


Western blot - Anti-USP14/TGT antibody (ab137433)

Anti-USP14/TGT antibody (ab137433) at 1/5000 dilution + Mouse brain whole cell lysate at 50 μ g

Predicted band size: 56 kDa

7.5% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-USP14/TGT antibody (ab137433)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labelling USP14/TGT with ab137433 at 1/250 dilution.

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