abcam

Product datasheet

Anti-TRIM13 antibody - N-terminal ab194477

2 Images

Overview

Product name	Anti-TRIM13 antibody - N-terminal
Description	Mouse polyclonal to TRIM13 - N-terminal
Host species	Mouse
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human, Recombinant fragment
	Predicted to work with: Mouse, Rat, Cow ⚠
Immunogen	Recombinant fragment (GST-tag) corresponding to Human TRIM13 aa 1-100 (N terminal). NP_005789.2. Database link: **O60858**
	🔳 **Run BLAST with** 🔳 **Run BLAST with**
Positive control	HeLa cell lysate.
General notes	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.
	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

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 long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 50% Glycerol (glycerin, glycerine)
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab194477 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		1/500 - 1/1000. Predicted molecular weight: 47 kDa.

Target

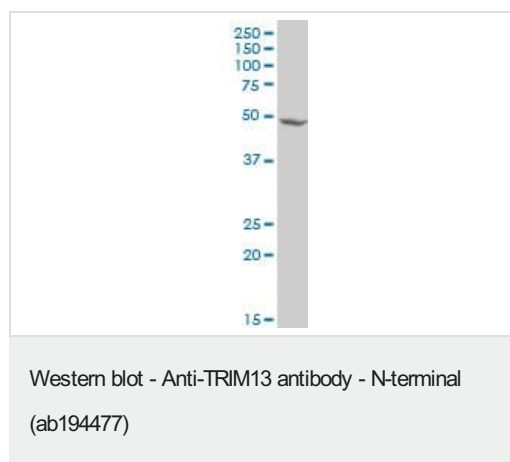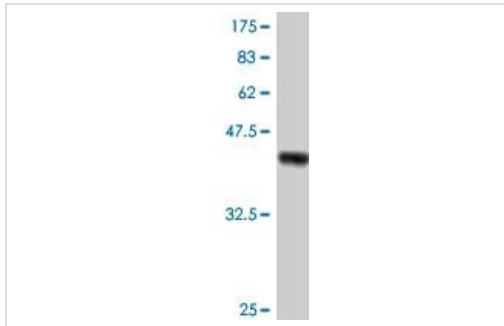|	
Function	E3 ubiquitin ligase involved in the retrotranslocation and turnover of membrane and secretory proteins from the ER through a set of processes named ER-associated degradation (ERAD). This process acts on misfolded proteins as well as in the regulated degradation of correctly folded proteins. Enhances ionizing radiation-induced p53/TP53 stability and apoptosis via ubiquitinating MDM2 and AKT1 and decreasing AKT1 kinase activity through MDM2 and AKT1 proteasomal degradation. Regulates ER stress-induced autophagy, and may act as a tumor suppressor.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Belongs to the TRIM/RBCC family. Contains 1 B box-type zinc finger. Contains 1 RING-type zinc finger.
Domain	The coiled-coil domain is required for the induction of autophagy during endoplasmic reticulum (ER) stress. The RING-type zinc finger is required for auto-polyubiquitination. The C-terminal domain transmembrane domain is indispensable for the localization to the ER.
Post-translational modifications	Auto-ubiquitinated; requires the RING-type zinc finger. Auto-polyubiquitination leads to proteasomal degradation.
Cellular localization	Endoplasmic reticulum membrane. Concentrates and colocalizes with p62/SQSTM1 and ZFYVE1 at the perinuclear endoplasmic reticulum.

Images

Anti-TRIM13 antibody - N-terminal (ab194477) at 1/500 dilution + HeLa cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 47 kDa

Western blot - Anti-TRIM13 antibody - N-terminal (ab194477)

Anti-TRIM13 antibody - N-terminal (ab194477) at 1/1000 dilution + recombinant immunogen at 0.2 μg

Developed using the ECL technique.

Predicted band size: 47 kDa

Western blot - Anti-TRIM13 antibody - N-terminal (ab194477)

Predicted MWt of immunogen: 37.11 KDa.

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

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