abcam

Product datasheet

Anti-TTLL4 antibody - C-terminal ab186045

2 Images

Overview

Product name	Anti-TTLL4 antibody - C-terminal
Description	Rabbit polyclonal to TTLL4 - C-terminal
Host species	Rabbit
Tested applications	**Suitable for:** IP, WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Chimpanzee, Gorilla
Immunogen	Synthetic peptide within Human TTLL4 aa 1100 to the C-terminus (C terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please **contact** our Scientific Support team to discuss your requirements. NP_055455.3. Database link: **Q14679** Run BLAST with Run BLAST with
Positive control	HeLa, 293T, and Jurkat whole cell lysates.
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	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate pH 7-8

Purity	Immunogen affinity purified
Purification notes	ab186045 was affinity purified using an epitope specific to TTLL4 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab186045 in the following tested applications.

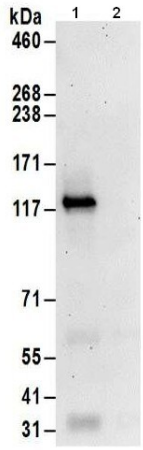
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at 2-10 µg/mg of lysate.
WB		1/1000 - 1/5000. Predicted molecular weight: 133 kDa.

Target

Function	Polyglutamylase which preferentially modifies beta-tubulin and nucleosome assembly proteins NAP1 and NAP2. Involved in the side-chain initiation step of the polyglutamylation reaction rather than in the elongation step.
Sequence similarities	Belongs to the tubulin--tyrosine ligase family. Contains 1 TTL domain.
Cellular localization	Cell projection > cilium. Cytoplasm > cytoskeleton > cilium basal body. Located in cilia. In some cells, also found in basal bodies.

Images



Immunoprecipitation - Anti-TTLL4 antibody - C-terminal (ab186045)

Detection of TTLL4 by Western Blot of Immunprecipitate.
Lane 1: ab186045 at 1µg/ml staining TTLL4 in 293T whole cell lysate immunoprecipitated using ab186045 at 6µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Lane 2: Control IgG

Detection: Chemiluminescence with an exposure time of 3 minutes.
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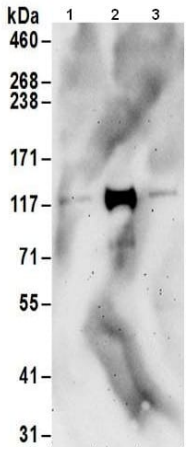

Western blot - Anti-TTLL4 antibody - C-terminal (ab186045)

All lanes : Anti-TTLL4 antibody - C-terminal (ab186045) at 0.4 µg/ml

Lane 1 : HeLa whole cell lysate
Lane 2 : 293T whole cell lysate
Lane 3 : Jurkat whole cell lysate

Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

Predicted band size: 133 kDa

Exposure time: 3 minutes

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

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