

Product datasheet

Anti-TORC2 antibody [EPR3384(2)] ab109081

Recombinant **RabMAb**

★★★★★ 4 Abreviews 4 References 4 Images

Overview

Product name	Anti-TORC2 antibody [EPR3384(2)]
Description	Rabbit monoclonal [EPR3384(2)] to TORC2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or ICC
Species reactivity	Reacts with: Human Predicted to work with: Rat
Immunogen	Synthetic peptide within Human TORC2 (C terminal). The exact sequence is proprietary.
Positive control	293T, Raji, and A673 cell lysates; Human tonsil tissue.
General notes	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

leukemia virus type 1 (HTLV-1) long terminal repeats (LTR).

Tissue specificity

Most abundantly expressed in the thymus. Present in both B and T lymphocytes. Highly expressed in HEK293T cells and in insulinomas. High levels also in spleen, ovary, muscle and lung, with highest levels in muscle. Lower levels found in brain, colon, heart, kidney, prostate, small intestine and stomach. Weak expression in liver and pancreas.

Sequence similarities

Belongs to the TORC family.

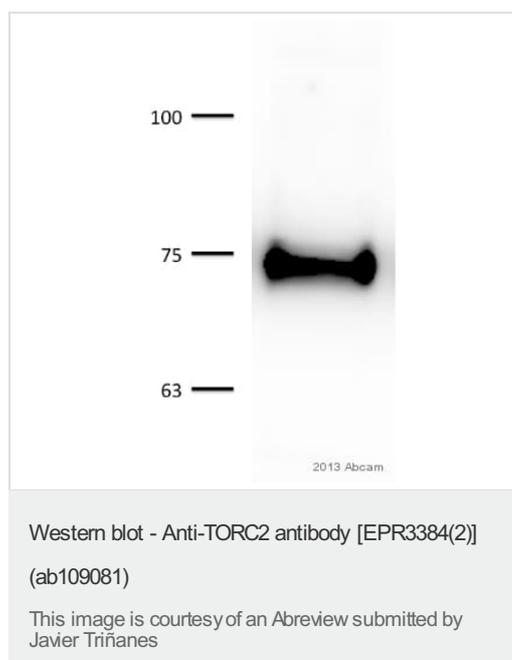
Post-translational modifications

Phosphorylation/dephosphorylation states of Ser-171 are required for regulating transduction of CREB activity. TORCs are inactive when phosphorylated, and active when dephosphorylated at this site. This primary site of phosphorylation, is regulated by cAMP and calcium levels and is dependent on the phosphorylation of SIKs by LKB1. Both insulin and AMPK increase this phosphorylation, of TORC2 while glucagon suppresses it.

Cellular localization

Cytoplasm. Nucleus. Translocated from the nucleus to the cytoplasm on interaction of the phosphorylated form with 14-3-3 protein. In response to cAMP levels and glucagon, relocated to the nucleus.

Images



Anti-TORC2 antibody [EPR3384(2)] (ab109081) at 1/5000 dilution
+ Ins-1, rat insulinoma cell line, nuclear cell lysate at 1200000 cells

Secondary

HRP-conjugated Goat anti-rabbit IgG polyclonal at 1/10000 dilution

Developed using the ECL technique.

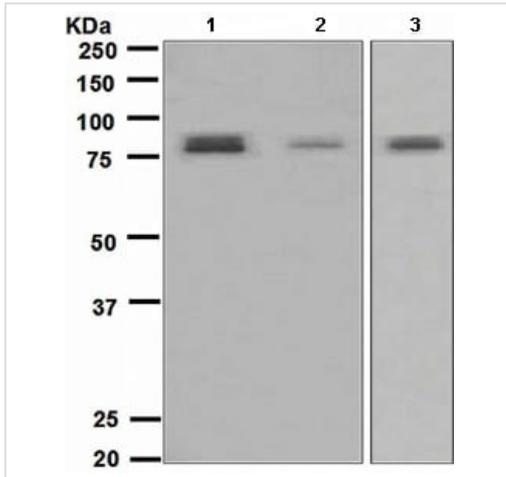
Performed under reducing conditions.

Predicted band size: 73 kDa

Observed band size: 75 kDa

[why is the actual band size different from the predicted?](#)

Exposure time: 5 minutes



Western blot - Anti-TORC2 antibody [EPR3384(2)] (ab109081)

All lanes : Anti-TORC2 antibody [EPR3384(2)] (ab109081) at 1/1000 dilution

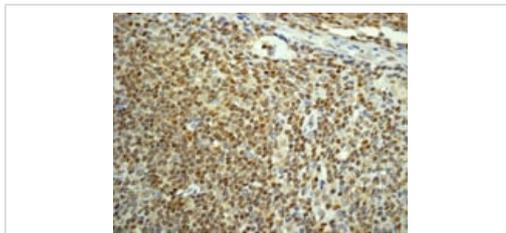
Lane 1 : 293T cell lysate

Lane 2 : Raji cell lysate

Lane 3 : A673 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 73 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TORC2 antibody [EPR3384(2)] (ab109081)

ab109081 at 1/100 dilution staining Torc2 in Human tonsil by Immunohistochemistry, Paraffin-embedded tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-TORC2 antibody [EPR3384(2)] (ab109081)

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

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