



Product datasheet

Anti-PER3 antibody ab224594

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Overview

Product name	Anti-PER3 antibody
Description	Rabbit polyclonal to PER3
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment corresponding to Human PER3 aa 1-150. Database link: P56645
	 Run BLAST with  Run BLAST with
Positive control	WB: HeLa whole cell lysate (ab150035); mouse skeletal muscle tissue lysate. IHC: Human ovarian cancer and colon cancer tissue lysate. ICC/IF: HeLa 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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab224594 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
IHC-P		1/20 - 1/200.
ICC/IF		1/50 - 1/200.
WB		1/500 - 1/5000. Detects a band of approximately 132 kDa (predicted molecular weight: 132 kDa).

Target

Function

Component of the circadian clock mechanism which is essential for generating circadian rhythms.
Can bind heme.

Sequence similarities

Contains 1 PAC (PAS-associated C-terminal) domain.
Contains 2 PAS (PER-ARNT-SIM) domains.

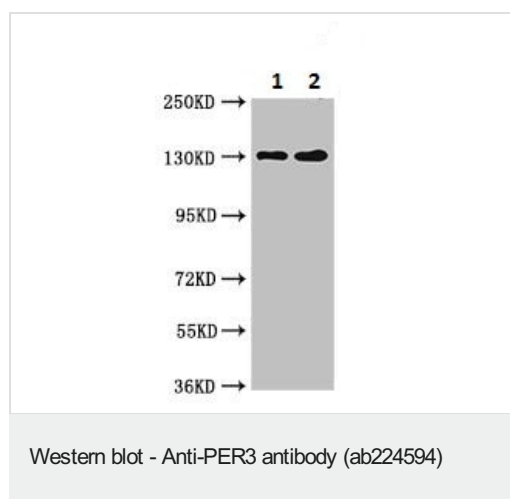
Post-translational modifications

Phosphorylation appears to require association with PER1 and translocation to the nucleus.
Ubiquitinated.

Cellular localization

Cytoplasm. Nucleus. Mainly cytoplasmic. Translocates to the nucleus through binding PER1, PER2, CRY1 or CRY2, but not TIMELESS.

Images



All lanes : Anti-PER3 antibody (ab224594) at 1/500 dilution

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

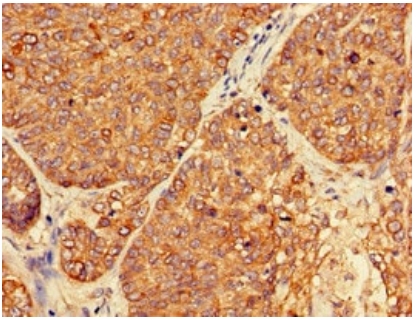
Lane 2 : Mouse skeletal tissue lysate

Secondary

All lanes : Goat polyclonal to rabbit IgG at 1/50000 dilution

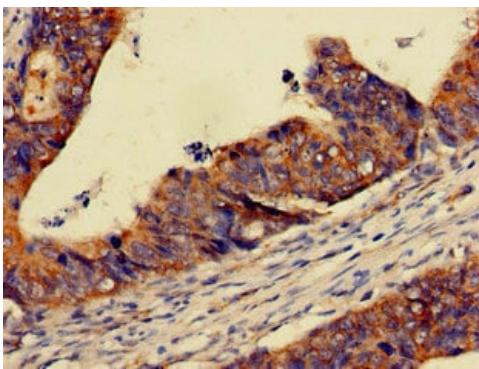
Predicted band size: 132 kDa

Observed band size: 132 kDa



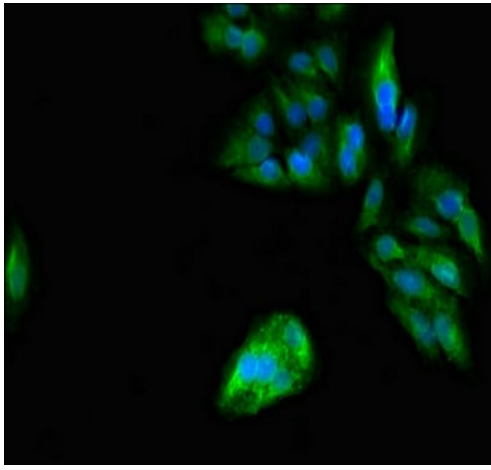
Paraffin-embedded human ovarian cancer tissue stained for PER3 using ab224594 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PER3 antibody (ab224594)



Paraffin-embedded human colon cancer tissue stained for PER3 using ab224594 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PER3 antibody (ab224594)



Immunocytochemistry/ Immunofluorescence - Anti-PER3 antibody (ab224594)

HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for PER3 (green) using ab224594 at 1/100 dilution in ICC/IF.

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

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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