



Product datasheet

Anti-XTP3TPA antibody ab224051

[1 References](#) [3 Images](#)

Overview

Product name	Anti-XTP3TPA antibody
Description	Rabbit polyclonal to XTP3TPA
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human XTP3TPA aa 1 to the C-terminus. Database link: Q9H773 <div>  Run BLAST with  Run BLAST with </div>
Positive control	IHC: Human uterine corpus tissue. ICC: A431 cells. WB: DCTPP1 over-expression transfected HEK-293T whole 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. 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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab224051 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		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 19 kDa.
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

Target

Function

Hydrolyzes deoxynucleoside triphosphates (dNTPs) to the corresponding nucleoside monophosphates. Has a strong preference for modified dCTP. Activity is highest with 5-iodo-dCTP, followed by 5-bromo-dCTP, unmodified dCTP, 5-methyl-dCTP and 5-chloro-dCTP. Hydrolyzes 2-chloro-dATP and 2-hydroxy-dATP with lower efficiency, and has even lower activity with unmodified dATP, dTTP and dUTP (in vitro). Does not hydrolyze ATP, UTP, ITP, GTP, dADP, dCDP or dGTP. May protect DNA or RNA against the incorporation of non-canonical nucleotide triphosphates. May protect cells against inappropriate methylation of CpG islands by DNA methyltransferases.

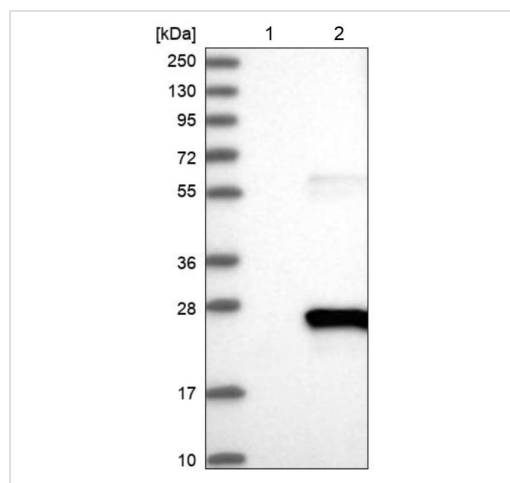
Sequence similarities

Contains 1 EAR repeat.

Cellular localization

Cytoplasm.

Images



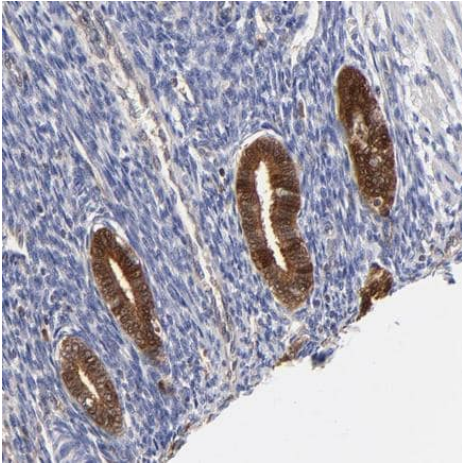
Western blot - Anti-XTP3TPA antibody (ab224051)

All lanes : Anti-XTP3TPA antibody (ab224051) at 0.4 µg/ml

Lane 1 : Control (vector only transfected) - HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : DCTPP1 over-expression - HEK-293T whole cell lysate, Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa)

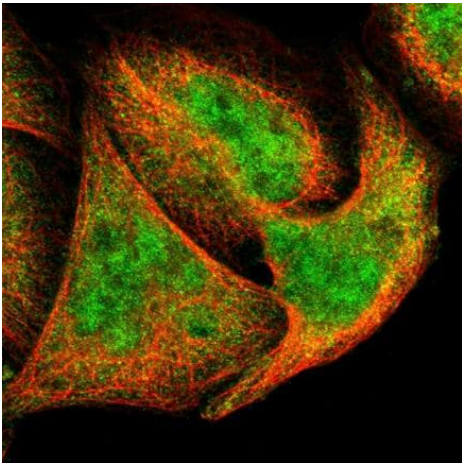
Predicted band size: 19 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-XTP3TPA antibody (ab224051)

Immunohistochemical analysis of human uterine corpus tissue stained for XTP3TPA in the cytoplasm and nucleus of glandular cells using ab224051 at 1/200 dilution.

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



Immunocytochemistry/ Immunofluorescence - Anti-XTP3TPA antibody (ab224051)

Immunofluorescent analysis A431 (human epidermoid carcinoma cell line) cells labeling XTP3TPA (green) in the nucleoplasm and cytosol with ab224051 at 2 µg/ml.

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

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