


Product datasheet

Anti-DHPS/DHS antibody ab224134

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Overview

Product name	Anti-DHPS/DHS antibody
Description	Rabbit polyclonal to DHPS/DHS
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Recombinant fragment corresponding to Human DHPS/DHS aa 1-150. Database link: P49366 Run BLAST with Run BLAST with
Positive control	WB: DHPS/DHS overexpressing HEK-393T cell lysate. IHC-P: Human fallopian tube, prostate and colon tissue. ICC/IF: U-2 OS 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: 7.20 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 ab224134 in the following tested applications.

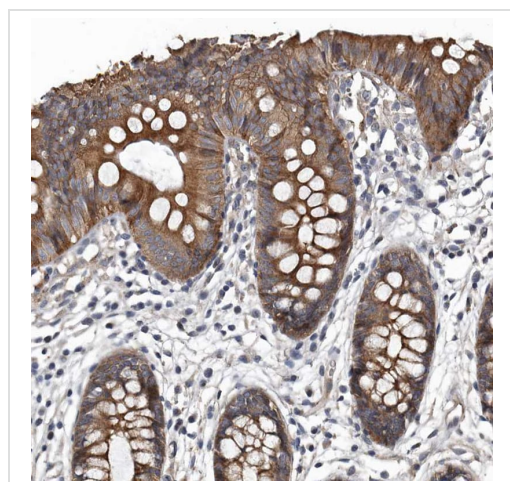
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 36,37,41 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

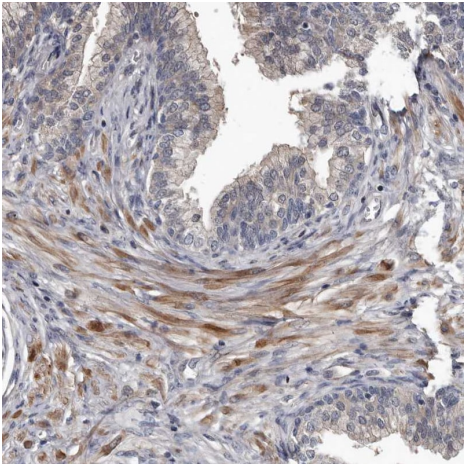
Function	Catalyzes the NAD-dependent oxidative cleavage of spermidine and the subsequent transfer of the butylamine moiety of spermidine to the epsilon-amino group of a specific lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue.
Pathway	Protein modification; eIF5A hypusination.
Sequence similarities	Belongs to the deoxyhypusine synthase family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.

Images



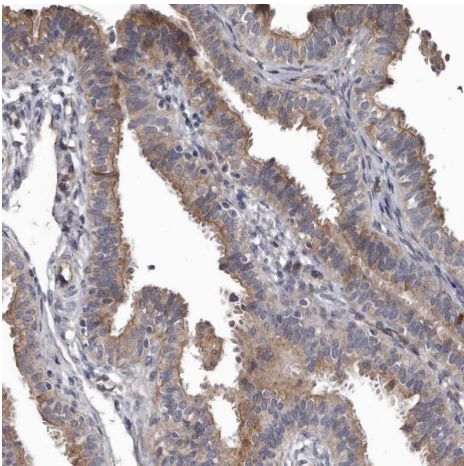
Paraffin-embedded human colon tissue stained for DHPS/DHS using ab224134 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DHPS/DHS antibody (ab224134)



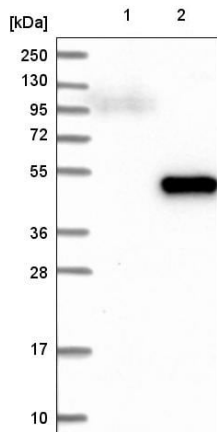
Paraffin-embedded human prostate tissue stained for DHPS/DHS using ab224134 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DHPS/DHS antibody (ab224134)



Paraffin-embedded human fallopian tube tissue stained for DHPS/DHS using ab224134 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DHPS/DHS antibody (ab224134)



Western blot - Anti-DHPS/DHS antibody (ab224134)

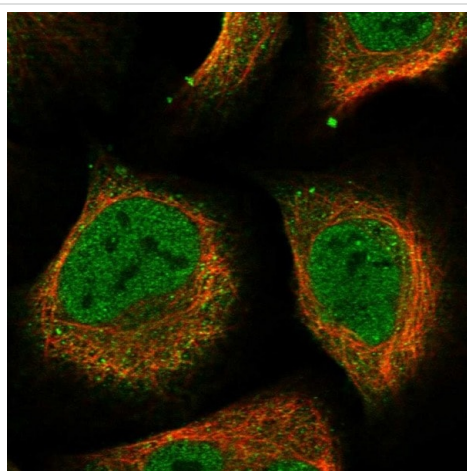
All lanes : Anti-DHPS/DHS antibody (ab224134) at 1/100 dilution

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

Lane 2 : DHPS/DHS overexpressing HEK-393T (human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate

Developed using the ECL technique.

Predicted band size: 36,37,41 kDa



Immunocytochemistry/ Immunofluorescence - Anti-DHPS/DHS antibody (ab224134)

PFA-fixed, Triton X-100 permeabilized U-2 OS (human bone osteosarcoma epithelial cell line) cells stained for DHPS/DHS (green) using ab224134 at 4 µg/ml in ICC/IF.

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