



Product datasheet

Anti-C16orf57 antibody ab254864

2 Images

Overview

Product name	Anti-C16orf57 antibody
Description	Rabbit polyclonal to C16orf57
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant fragment corresponding to Human C16orf57 aa 185-262. Sequence:</p> <p>LVSEVDRVMEEFNLTTFYQDPSFHLSLAWCVGDARLQLE GQCLQELQAM DGFEDAEVLLRVHTEQVRCKSGNKFFSM</p> <p>Database link: Q9BQ65</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	WB: C16orf57 overexpression HEK-293T cell lysate. IHC-P: Human colon tissue.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>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, as well as 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

Our [Abpromise guarantee](#) covers the use of **ab254864** in the following tested applications.

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

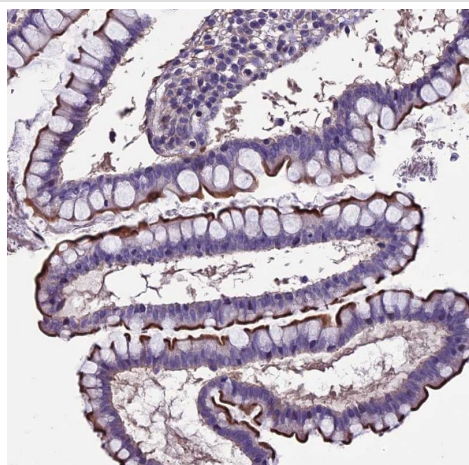
Application	Abreviews	Notes
IHC-P		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 48 kDa.

Target

Involvement in disease	Defects in C16orf57 are the cause of poikiloderma with neutropenia (PN) [MIM:604173]. PN is a genodermatosis characterized by poikiloderma, pachyonychia and chronic neutropenia. The disorder starts as a papular erythematous rash on the limbs during the first year of life. It gradually spreads centripetally and, as the papular rash resolves, hypo- and hyperpigmentation result, with development of telangiectasias. Another skin manifestation is pachyonychia, but alopecia and leukoplakia are distinctively absent. One of the most important extracutaneous symptoms is an increased susceptibility to infections, mainly affecting the respiratory system, primarily due to a chronic neutropenia and to neutrophil functional defects. Bone marrow abnormalities account for neutropenia and may evolve into myelodysplasia associated with the risk of leukemic transformation. Poikiloderma with neutropenia shows phenotypic overlap with Rothmund-Thomson syndrome.
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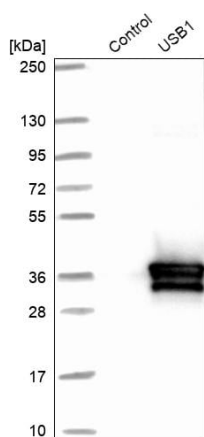
Sequence similarities	Belongs to the UPF0406 family.
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Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C16orf57 antibody (ab254864)

Paraffin-embedded human colon tissue stained for C16orf57 using ab254864 at 1/1000 dilution in immunohistochemical analysis.



Western blot - Anti-C16orf57 antibody (ab254864)

All lanes : Anti-C16orf57 antibody (ab254864) at 0.4 µg/ml

Lane 1 : Vector only transfected HEK-293T cell lysate

Lane 2 : C16orf57 overexpressed HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Predicted band size: 48 kDa

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

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