

Product datasheet

Anti-DUOX1 antibody ab78919

[1 References](#) [1 Image](#)

Overview

Product name	Anti-DUOX1 antibody
Description	Goat polyclonal to DUOX1
Host species	Goat
Specificity	This antibody is expected to recognise both reported isoforms (NP_059130.2 ; NP_787954.1) which are identical.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human DUOX1 aa 1020-1032 (internal sequence). Synthetic peptide: EKFQRSCLHQTQVQ , corresponding to internal sequence amino acids 1020-1032 of Human DUOX1 (NP_059130.2 ; NP_787954.1) Sequence: EKFQRSCLHQTQVQ

Database link: [Q9NRD9](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control Human placenta and thyroid gland lysates.

General notes 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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

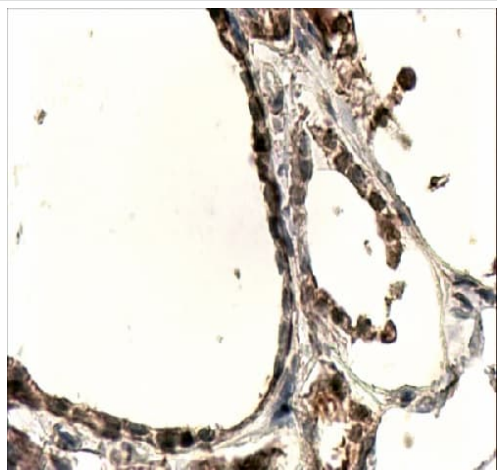
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab78919 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 4 - 6 µg/ml.

Target

Relevance	The protein encoded by this gene is a glycoprotein and a member of the NADPH oxidase family. The synthesis of thyroid hormone is catalyzed by a protein complex located at the apical membrane of thyroid follicular cells. This complex contains an iodide transporter, thyroperoxidase, and a peroxide generating system that includes this encoded protein and DUOX2. This protein is known as dual oxidase because it has both a peroxidase homology domain and a gp91phox domain. Two alternatively spliced transcript variants encoding the same protein have been described for this gene (from EntrezGene).
Cellular localization	Cell Membrane

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DUOX1 antibody (ab78919)

Immunohistochemical analysis of paraffin embedded Human thyroid gland labeling DUOX1 with ab78919 at 4-6µg/ml. The image shows staining of membranes in epithelial cells of the thyroid gland.

Steamed antigen retrieval with Tris/EDTA buffer pH 9 was performed. Antibody was detected by HRP-staining.

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