

DUOXA2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13417b**Specification**

DUOXA2 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q1HG44](#)**DUOXA2 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 405753**Other Names**

Dual oxidase maturation factor 2, Dual oxidase activator 2, DUOXA2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13417b was selected from the C-term region of DUOXA2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DUOXA2 Antibody (C-term) Blocking peptide - Protein Information**Name** DUOXA2**Function**

Required for the maturation and the transport from the endoplasmic reticulum to the plasma membrane of functional DUOX2. May play a role in thyroid hormone synthesis.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Specifically expressed in thyroid. Also detected in salivary glands.

DUOXA2 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

DUOXA2 Antibody (C-term) Blocking peptide - Images

DUOXA2 Antibody (C-term) Blocking peptide - Background

This gene encodes an endoplasmic reticulum protein that is necessary for proper cellular localization and maturation of functional dual oxidase 2. Mutations in this gene have been associated with thyroid dysgenesis 5.

DUOXA2 Antibody (C-term) Blocking peptide - References

Luxen, S., et al. J. Cell. Sci. 122 (PT 8), 1238-1247 (2009) ; Zamproni, I., et al. J. Clin. Endocrinol. Metab. 93(2):605-610(2008) ; Eriksson, A., et al. BMC Gastroenterol 8, 34 (2008) ; Grasberger, H., et al. Mol. Endocrinol. 21(6):1408-1421(2007) ; Grasberger, H., et al. J. Biol. Chem. 281(27):18269-18272(2006)