

Product datasheet for TA361242

DUOX1 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

The immunogen is a synthetic peptide directed towards the N terminal region of human Immunogen:

DUOX1

Specificity: **Expected reactivity**: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity purified Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 170 kDa

Gene Name: dual oxidase 1 Database Link: NP 059130.2

Entrez Gene 53905 Human

Q9NRD9



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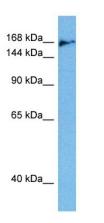
Background:

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 proteins encoded by this gene and the similar DUOX2 gene. This protein is known as dual oxidase because it has both a peroxidase homology domain and a gp91phox domain. This protein generates hydrogen peroxide and thereby plays a role in the activity of thyroid peroxidase, lactoperoxidase, and in lactoperoxidase-mediated antimicrobial defense at mucosal surfaces. Two alternatively spliced transcript variants encoding the same protein have been described for this gene.

Synonyms: DUOX; LNOX1; MGC138840; MGC138841; NOXEF1; THOX1

Protein Families: Druggable Genome, Transmembrane

Product images:



Host: Rabbit
Target Name: DUOX1
Sample Type: 293T Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit Target Name: DUOX1

Sample Tissue: Human 293T Whole Cell lysates

Antibody Dilution: 1ug/ml