

Product datasheet for TA361242

DUOX1 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human DUOX1 |
| Specificity: | Expected reactivity: Human |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| 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 |



[View online »](#)

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: 1 ug/ml