

DUOX1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54499**Specification**

DUOX1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q9NRD9
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	177235

DUOX1 Polyclonal Antibody - Additional Information**Gene ID** 53905**Other Names**

Dual oxidase 1, 1.11.1.-, 1.6.3.1, Large NOX 1, Long NOX 1, NADPH thyroid oxidase 1, Thyroid oxidase 1, DUOX1, DUOX, LNOX1, THOX1

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

DUOX1 Polyclonal Antibody - Protein Information**Name** DUOX1**Synonyms** DUOX, LNOX1, THOX1**Function**

Generates hydrogen peroxide which is required for the activity of thyroid peroxidase/TPO and lactoperoxidase/LPO. Plays a role in thyroid hormones synthesis and lactoperoxidase-mediated antimicrobial defense at the surface of mucosa. May have its own peroxidase activity through its N-terminal peroxidase-like domain.

Cellular Location

Apical cell membrane; Multi-pass membrane protein. Note=Localizes to the apical membrane of epithelial cells

Tissue Location

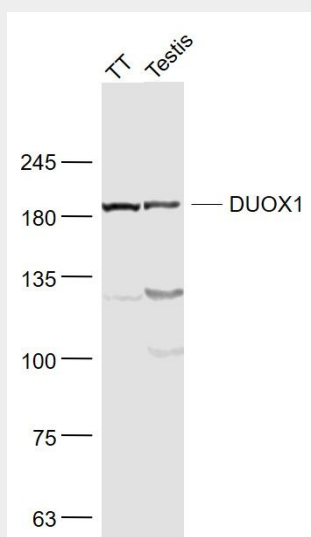
Expressed in thyrocytes and tracheal surface epithelial cells (at protein level). Expressed in thyroid, trachea, bronchium, and to a lower extent, in placenta, testis, prostate, pancreas and heart.

DUOX1 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DUOX1 Polyclonal Antibody - Images



Sample:

TT(Human) Cell Lysate at 30 ug

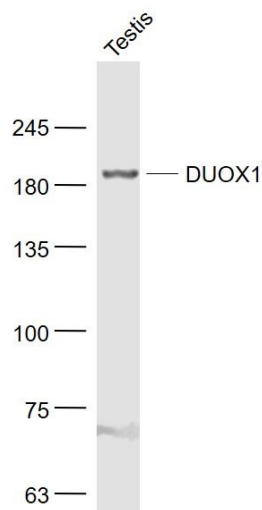
Testis (Rat) Lysate at 40 ug

Primary: Anti- DUOX1 (bs-11431R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 175 kD

Observed band size: 200 kD



Sample:

Testis (Mouse) Lysate at 40 ug

Primary: Anti- DUOX1 (bs-11431R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 175 kD

Observed band size: 200 kD