

## Rabbit anti-Human DUOX2 Polyclonal Antibody | anti-DUOX2 antibody

DUOX2 Antibody

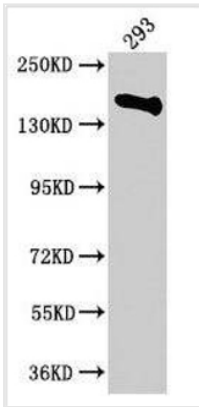
|                              |                       |                            |                                                    |
|------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA26948</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry</b> |
|------------------------------|-----------------------|----------------------------|----------------------------------------------------|

### PRODUCT SYNONYMS

DUOX2; Polyclonal Antibody; DUOX2 Antibody; Dual oxidase 2 (EC 1.11.1.-) (EC 1.6.3.1); Large NOX 2; Long NOX 2; NADH/NADPH thyroid oxidase p138-tox; NADPH oxidase/peroxidase DUOX2; NADPH thyroid oxidase 2; Thyroid oxidase 2; p138 thyroid oxidase; LNOX2; THOX2; anti-DUOX2 antibody

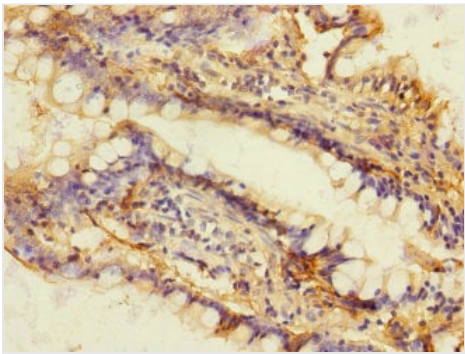
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                          |
|-------------------------------------------------|------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                   |
| Reactivity                                      | Human                                                                                    |
| Clonality                                       | Polyclonal                                                                               |
| Isotype                                         | IgG                                                                                      |
| Purity/Purification                             | Antigen Affinity Purified                                                                |
| Form/Format                                     | Liquid; PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                |
| Sequence Length                                 | 1548                                                                                     |
| Applicable Applications for anti-DUOX2 antibody | ELISA, IHC (Immunohistochemistry)                                                        |
| Application Notes                               | IHC: 1:20-1:200                                                                          |
| Species                                         | Homo sapiens (Human)                                                                     |
| Research                                        | Neuroscience                                                                             |
| Target Names                                    | DUOX2                                                                                    |
| Immunogen                                       | Recombinant Human Dual oxidase 2 protein (1-100AA)                                       |
| Conjugate                                       | Non-conjugated                                                                           |
| Santa Cruz Alternative                          | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-49938 / sc-49939 |
| Preparation and Storage                         | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.              |



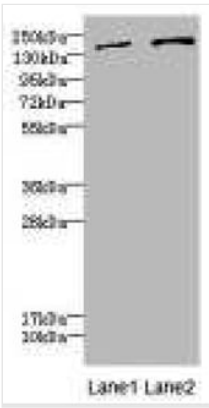
WB (Western Blot)

Positive WB detected in: 293 whole cell lysateAll lanes: DUOX2 antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 176 kDaObserved band size: 176 kDa



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human small intestine using AAA26948 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: DUOX2 antibody at 2.18ug/mlLane 1: Jurkat whole cell lysateLane 2: HepG2 whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 176 kDaObserved band size: 176 kDa

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DUOX2 antibody | 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. |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 132566532                              |
| NCBI GeneID                      | 50506                                  |
| NCBI Accession #                 | NP_054799.4                            |
| NCBI GenBank Nucleotide #        | NM_014080.4                            |
| UniProt Accession #              | Q9NRD8; Q9NR02; Q9UHF9; A8MQ13; D2XI64 |
| NCBI Official Full Name          | dual oxidase 2                         |
| NCBI Official Synonym Full Names | dual oxidase 2                         |
| NCBI Official Symbol             | DUOX2                                  |
| NCBI Official Synonym Symbols    | TDH6; LNOX2; THOX2; NOXEF2; P138-TOX   |

|                            |                |
|----------------------------|----------------|
| NCBI Protein Information   | dual oxidase 2 |
| UniProt Protein Name       | Dual oxidase 2 |
| UniProt Gene Name          | <b>DUOX2</b>   |
| UniProt Synonym Gene Names | LNOX2; THOX2   |
| UniProt Entry Name         | DUOX2_HUMAN    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/duox2-antibody-immunohistochemistry-elisa/26948>