bs-23964R **[Primary Antibody]**

DUOXA2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 405753 **SWISS:** Q1HG44

Target: DUOXA2

Immunogen: KLH conjugated synthetic peptide derived from human DUOXA2 : 251-320/320. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: DUOXA2 is a 320 amino acid multi-pass membrane protein that localizes to the endoplasmic reticulum (ER) and belongs to the DUOXA family. Expressed specifically in thyroid and salivary glands, DUOXA2 is essential for the maturation and transport of DUOX2 from the ER to the plasma membrane and is also thought to play a role in the synthesis of thyroid hormone (TH). Defects in the DUOXA2 gene are associated with the pathogenesis of congenital hypothyroidism, a disorder that affects infants and is characterized by a significant decrease or a complete deficiency of TH from birth. The gene encoding DUOXA2 maps to human chromosome 15, which houses over 700 genes and comprises nearly 3% of the human genome. Angelman syndrome, Prader-Willi syndrome, Tay-Sachs disease and Marfan syndrome are all associated with defects in chromosome 15-localized genes.

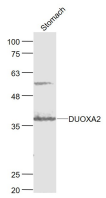
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human)

Predicted MW.: 35 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Stomach (Mouse) Lysate at 40 ug
Primary: Anti- DUOXA2 (bs-23964R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kD Observed band size: 37 kD