

Product datasheet for **AP51336PU-N**

DUOX2 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	Western Blot: 1/1000. Flow Cytometry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 513-542 amino acids from the Central region of human DUOX2
Specificity:	This antibody recognizes Human Dual oxidase 2 (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dual oxidase 2
Database Link:	Entrez Gene 50506 Human Q9NRD8



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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 this encoded protein and DUOX1. This protein is known as dual oxidase because it has both a peroxidase homology domain and a gp91phox domain.

Synonyms:

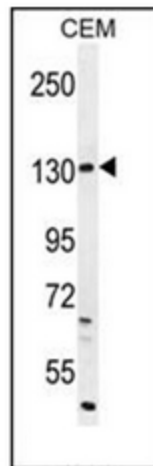
Large NOX 2, Long NOX 2, Thyroid oxidase 2, p138 thyroid oxidase, LNOX2, THOX2

Note:

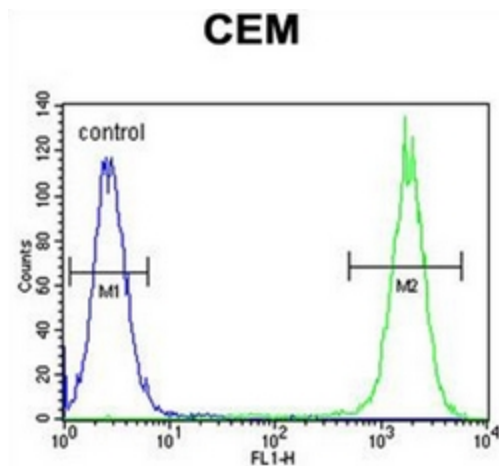
Molecular Weight: 175364 Da

Protein Families:

Druggable Genome, Transmembrane

Product images:


Western blot analysis of Dual oxidase 2 Antibody in CEM cell line lysates (35ug/lane). This demonstrates the DUOX2 antibody detected the DUOX2 protein (arrow).



Flow cytometric analysis of CEM cells using Dual oxidase 2 Antibody (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.