

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

DUOX2 Antibody (Center)

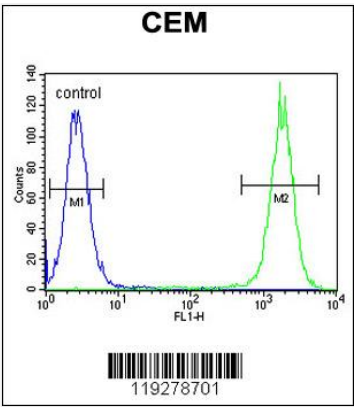
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286324	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

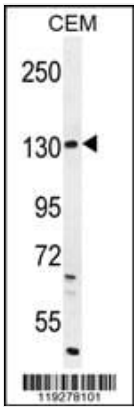
DUOX2; Polyclonal Antibody; DUOX2 Antibody (Center); Dual oxidase 2; 1111-; Large NOX 2; Long NOX 2; NADH/NADPH thyroid oxidase p138-tox; NADPH oxidase/peroxidase DUOX2; NADPH thyroid oxidase 2; Thyroid oxidase 2; p138 thyroid oxidase; LNOX2; THOX2; anti-DUOX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DUOX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 513-542 amino acids from the Central region of human DUOX2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.39 (varies by lot)
Sequence Positions	513-542
Sequence Length	1548
Applicable Applications for anti-DUOX2 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
DUOX2 Antibody (Center) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
DUOX2 Antibody (Center) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the DUOX2 antibody detected the DUOX2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DUOX2 antibody	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.
Product Categories/Family for anti-DUOX2 antibody	Neuroscience
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Salmeen, A., et al. Oncogene 29(31):4473-4484(2010) Linderholm, A.L., et al. Am. J. Physiol. Lung Cell Mol. Physiol. 299 (2), L215-L221 (2010) : Roberts, K.E., et al. Gastroenterology 139(1):130-139(2010) Hill, T. III, et al. Biochem. Biophys. Res. Commun. 395(2):270-274(2010)

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
Molecular Weight	175364
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	DUOX2
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-flow-cytometry-western-blot-elisa/286324>