



Anti-DUOX2 monoclonal antibody (DCABH-11337)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	A synthetic peptide of human DUOX2 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DUOX2 dual oxidase 2 [Homo sapiens]
Official Symbol	DUOX2
Synonyms	DUOX2; dual oxidase 2; dual oxidase like domains 2; flavoprotein NADPH oxidase; LNOX2; NADH/NADPH thyroid oxidase p138 tox; NADPH oxidase/peroxidase DUOX2; NADPH thyroid oxidase 2; nicotinamide adenine dinucleotide phosphate oxidase; P138(TOX); P138 TOX; THOX2; long NOX 2; large NOX 2; thyroid oxidase 2; p138 thyroid oxidase; dual oxidase-like domains 2; NADH/NADPH thyroid oxidase p138-tox; TDH6; NOXEF2; P138-TOX;
Entrez Gene ID	50506
Protein Refseq	NP_054799
UniProt ID	Q9NRD8
Chromosome Location	15q15.3-q21
Function	NAD(P)H oxidase activity; calcium ion binding; electron carrier activity; flavin adenine dinucleotide binding; heme binding; oxidoreductase activity; peroxidase activity;