



Rabbit Anti-DUOXA1 antibody

SL11433R

Product Name:	DUOXA1
Chinese Name:	双氧化酶成熟因子抗体
Alias:	DOXA1_HUMAN; Dual oxidase activator 1; Dual oxidase maturation factor 1; duoxa1; NIP; Numb interacting protein; Numb-interacting protein; NUMBIP.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	38kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DUOXA1:101-200/343<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	DUOXA1 is a 343 amino acid multi-pass membrane protein that belongs to the DUOXA family and exists as multiple alternatively spliced isoforms. Expressed almost exclusively in thyroid tissue, but also present in esophageal tissue, DUOXA1 interacts with NUMB and is thought to be essential for the maturation and transport of functional DUOX1 from the endoplasmic reticulum to the plasma membrane. The gene encoding

DUOXA1 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.

Function:

May be required for the maturation and the transport from the endoplasmic reticulum to the plasma membrane of functional DUOX1.

Subunit:

May interact with NUMB.

Subcellular Location:

Membrane; Multi-pass membrane protein

Tissue Specificity:

Specifically expressed in thyroid gland. Also detected in esophagus.

Similarity:

Belongs to the DUOXA family.

SWISS:

Q1HG43

Gene ID:

90527

Database links:

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.