

DUOXA1 Rabbit pAb

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Catalog # AP54500

Product Information

Application	WB, IHC-P, IHC-F, IF
Predicted	Rat, Pig, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DUOXA1
Epitope Specificity	101-200/343
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Multi-pass membrane protein
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Other Names	Dual oxidase maturation factor 1, Dual oxidase activator 1, Numb-interacting protein, DUOXA1, NIP, NUMBIP
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.