

DUOX2 Polyclonal Antibody

Catalog NumberPA1-46354

Product data sheet

Details		Species Reactivity	
Size	100 µL	Published species	Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	Dilution * Assay-Dependent
Type	Antibody	Western Blot (WB)	2 µg/mL
Immunogen	Synthetic peptide corresponding to an internal portion (within residues 400-500) of human protein DUOX2.	Immunocytochemistry (ICC/IF)	1:1,000
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Western Blot (WB)	See 1 publications below
Concentration	1.2 mg/mL	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Suggested positive control: A549 whole cell lysate and rat lung homogenate..

Background/Target Information

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.

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PubMed References For DUOX2 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	PA1-46354 was used in western blot to study ROS and MAPK signaling in gonadotropes
Mouse / Not Cited	Endocrinology (2015; 156: 2185) "GnRH Regulates Gonadotropin Gene Expression Through NADPH/Dual Oxidase-Derived Reactive Oxygen Species." Author(s):Kim T,Lawson MA PubMed Article URL: http://dx.doi.org/10.1210/en.2014-1709

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