

For Research Use Only

DUOX1 Monoclonal antibody

Catalog Number: 67226-1-Ig **1 Publications**



Basic Information

Catalog Number: 67226-1-Ig	GenBank Accession Number: BC114938	Purification Method: Protein A purification
Size: 2100 µg/ml	GeneID (NCBI): 53905	CloneNo.: 3B8D6
Source: Mouse	UNIPROT ID: Q9NRD9	Recommended Dilutions: WB 1:1000-1:4000 IF 1:200-1:800
Isotype: IgG2a	Full Name: dual oxidase 1	
Immunogen Catalog Number: AG18154	Calculated MW: 1551 aa, 177 kDa	
	Observed MW: 190-200 kDa, 177 kDa, 138 kDa	

Applications

Tested Applications: IF-P, WB, ELISA	Positive Controls: WB : human testis tissue, human placenta tissue IF : mouse stomach tissue,
Cited Applications: IF	
Species Specificity: Human, mouse	
Cited Species: human	

Background Information

DUOX1 (dual oxidase 1) is a calcium-activated transmembrane protein member of the NOX family of NADPH oxidases principally located on the apical surface of airway and thyroid epithelia (PMID: 28982074, 15677770, 10806195). DUOX1 is a strong generator of hydrogen peroxide (H₂O₂), via intra-molecular dismutation of superoxide (PMID: 25586178). Epithelial DUOX1 appears to participate in additional host defense actions, such as mucociliary clearance, and may contribute to inflammatory responses and epithelial repair processes during exogenous stress (PMID: 19386603). DUOX1 has two isoforms with the calculated molecular mass of 177 and 138 kDa, and apparent molecular mass of 180-200 kDa due to the glycosylation (PMID: 17643428, 19144650).

Notable Publications

Author	Pubmed ID	Journal	Application
Luc H J Sondorp	33142750	Cancers (Basel)	IF

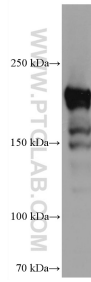
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

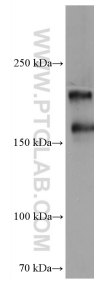
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

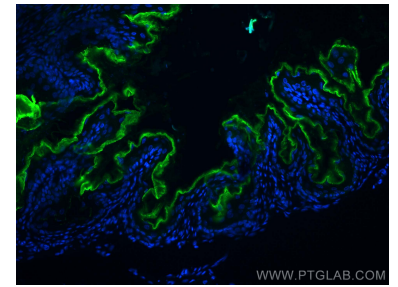
Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 67226-1-Ig (DUOX1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



human placenta tissue were subjected to SDS PAGE followed by western blot with 67226-1-Ig (DUOX1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse stomach tissue using DUOX1 antibody (67226-1-Ig, Clone: 3B8D6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).