Product Datasheet

Thyroid Peroxidase Antibody (TPO/1922) [DyLight 405]
NBP2-79923V

Unit Size: 0.1 ml

Store at 4C in the dark.

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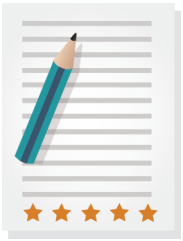

NBP2-79923V

Thyroid Peroxidase Antibody (TPO/1922) [DyLight 405]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	TPO/1922
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	DyLight 405
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	7173
Gene Symbol	TPO
Species	Human
Marker	Thyroid Marker
Specificity/Sensitivity	Thyroperoxidase (TPO) is a 933-amino acid, type I transmembrane glycoprotein that plays a key role in thyroid gland function and autoimmunity. It is present as a dimer on the apical surface of thyroid follicular cells. TPO functions in the iodination of tyrosine residues in thyroglobulin and phenoxy-ester formation between pairs of iodinated tyrosines to generate the thyroid hormones, thyroxine and triiodothyronine. Mutations in this gene are associated with several disorders of thyroid hormonogenesis, including congenital hypothyroidism, congenital goiter, and thyroid hormone organification defect IIA. Malignant thyroid tumors exhibit an anomaly in TPO resulting in lower affinity for anti-TPO. This antibody may aid in the differentiation between benign and malignant thyroid tumors.
Immunogen	Recombinant fragment of human Thyroid Peroxidase (around aa 685-804) (Exact sequence is proprietary) (Uniprot: P07202)
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Application Notes	Optimal dilution of this antibody should be experimentally determined.

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Products Related to NBP2-79923V

NBP1-43319V-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 405]
H00007173-Q01-10ug	Recombinant Human Thyroid Peroxidase GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
H00007173-P01-2ug	Recombinant Human Thyroid Peroxidase GST (N-Term) Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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