

# Product Datasheet

## Thyroid Peroxidase Antibody (TPO/6417R) [DyLight 594] NBP3-08762DL594

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08762DL594**

Thyroid Peroxidase Antibody (TPO/6417R) [DyLight 594]

Product Information	
Unit Size	100 ul
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/6417R
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	DyLight 594
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rabbit
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 phenoxo-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-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP3-08762DL594**

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NBP2-24891DL594	Rabbit IgG Isotype Control [DyLight 594]
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

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### **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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