

Product Datasheet

Thyroid Peroxidase Antibody (TPO/6417R) [PE] NBP3-08762PE

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP3-08762PE

Thyroid Peroxidase Antibody (TPO/6417R) [PE]

| 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/6417R |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Conjugate | PE |
| Purity | Protein A or G purified |
| Buffer | PBS |

| 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 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) |

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





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-08762PE

| | |
|--------------------|---|
| NBP2-24983 | Rabbit IgG Isotype Control [PE] |
| H00007173-P01-2ug | Recombinant Human Thyroid Peroxidase GST (N-Term) Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| H00007173-Q01-10ug | 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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