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# Goat anti-thyroid peroxidase, Biotinylated Antibody

Peptide-affinity purified goat antibody
Catalog # AF4446a

## Product Information

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|---|---|
| **Application** | WB, IHC, Pep-ELISA |
| **Primary Accession** | P07202 |
| **Other Accession** | NP_000538.3, NP_783650.1, NP_783652.1, NP_783653.1 |
| **Reactivity** | Human |
| **Host** | Goat |
| **Clonality** | Polyclonal |
| **Clone Names** | TPO |
| **Calculated MW** | 102963 |

## Additional Information

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| **Gene ID** | 7173 |
| **Other Names** | TPO; thyroid peroxidase; MSA; TDH2A; TPX; thyroid microsomal antigen; thyroperoxidase |
| **Dilution** | WB~~1:1000 IHC~~1:100~500 Pep-ELISA~~N/A |
| **Format** | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| **Immunogen** | This antibody is expected to recognize all reported isoforms (NP_000538.3; NP_783650.1; NP_783652.1; NP_783653.1). Reported variants represent identical protein: NP_000538.3, NP_001193673.1 Reported variants represent identical protein: NP_783650.1, NP_00 |
| **Storage** | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | Goat anti-thyroid peroxidase, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | TPO ( HGNC:12015) |
| **Function** | Iodination and coupling of the hormonogenic tyrosines in thyroglobulin to yield the thyroid hormones T(3) and T(4).<br><br>Membrane; Single-pass type I membrane protein. |

## Cellular Location

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.