

Rabbit anti-Human Thyroid Peroxidase Monoclonal Antibody | anti-TPO antibody

Thyroid Peroxidase Rabbit mAb

CATALOG # AAA282734	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry
-------------------------------	-----------------------	----------------------------	--

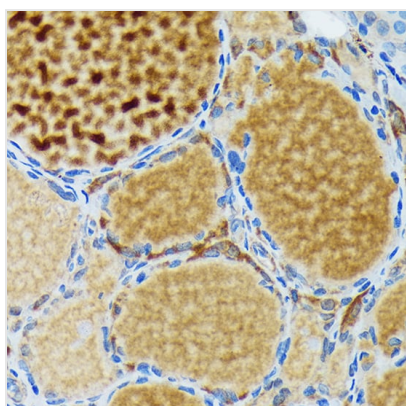
PRODUCT SYNONYMS

Thyroid Peroxidase; Monoclonal Antibody; Thyroid Peroxidase Rabbit mAb; MSA; TPX; TDH2A; anti-TPO antibody

PRODUCT SPECIFICATIONS

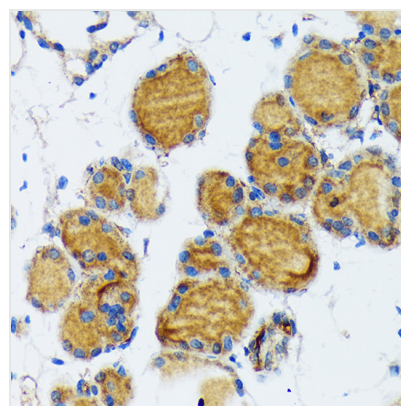
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MRALAVLSVT LVMACTEAF PFISRGKELL WGKPEESRVS SVLEESKRLV DTAMYATMQR NLKKGILSP AQLLSFSKLP EPTSGVIARA AEIMETSIQA
Applicable Applications for anti-TPO antibody	ELISA, IHC (Immunohistochemistry)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Thyroid Peroxidase (P07202).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



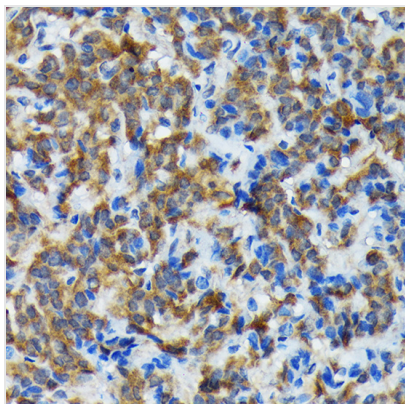
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat thyroid using Thyroid Peroxidase Rabbit mAb (AAA282734) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse thyroid using Thyroid Peroxidase Rabbit mAb (AAA282734) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer using Thyroid Peroxidase Rabbit mAb (AAA282734) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-TPO antibody	This gene encodes a membrane-bound glycoprotein. The encoded protein acts as an enzyme and plays a central role in thyroid gland function. The protein 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. Multiple transcript variants encoding distinct isoforms have been identified for this gene, but the full-length nature of some variants has not been determined.
Product Categories/Family for anti-TPO antibody	Cancer; Signal Transduction; Cell Biology Developmental Biology; Growth factors; Endocrine Metabolism; Neuroscience; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	28558982
NCBI GeneID	7173
NCBI Accession #	NP_000538.3
NCBI GenBank Nucleotide #	NM_000547.5
UniProt Accession #	P07202; P09934; P09935; Q8IUL0; Q8NF94; Q8NF95; Q8NF96; Q8NF97; Q8TCI9
Molecular Weight	Calculated MW: 103kDa
UniProt Protein Name	Thyroid peroxidase
UniProt Gene Name	TPO
UniProt Synonym Gene Names	TPO
UniProt Entry Name	PERT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/thyroid-peroxidase-antibody-immunohistochemistry-elisa/282734>