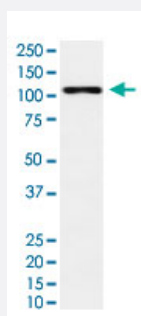


TPO monoclonal antibody, clone AFFI-20

Catalog # MAB22016 Size 100 uL

Applications



Western Blot

Western Blot analysis of TPO.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic protein of human TPO.

Immunogen A synthetic peptide corresponding to human TPO.

Host Rabbit

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage
Immunoprecipitation (1:40)
Western Blot (1:500-2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction
Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of TPO.

- Immunoprecipitation

Gene Info — TPO

Entrez GeneID	7173
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Protein Accession#	P07202
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Gene Name	TPO
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Gene Alias	MSA, TPX
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Gene Description	thyroid peroxidase
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Omim ID	274500 606765
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Gene Ontology	Hyperlink
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Gene Summary	<p>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 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. Multiple transcript variants encoding distinct isoforms have been identified for this gene. Additional splice variants have been described but their biological natures have not been determined. [provided by RefSeq]</p>
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Other Designations	OTTHUMP00000115304 OTTHUMP00000115536 thyroid microsomal antigen thyroperoxidase
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Pathway

- [Autoimmune thyroid disease](#)

- [Cytokine-cytokine receptor interaction](#)

- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)
- [Metabolic pathways](#)
- [Tyrosine metabolism](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hypothyroidism](#)
- [Myocardial Infarction](#)
- [Thyroid Dysgenesis](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)