

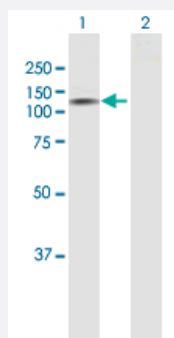
MaxPab®

TPO MaxPab mouse polyclonal antibody (B01)

Catalog # H00007173-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of TPO expression in transfected 293T cell line ([H00007173-T01](#)) by TPO MaxPab polyclonal antibody.

Lane 1: TPO transfected lysate(102.63 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human TPO protein.

Immunogen

TPO (AAH95448, 1 a.a. ~ 933 a.a) full-length human protein.

Sequence

MRALAVLSVTLVMACTEAFFPFISRGKELLWGKPEESRVSSVLEESKRLVDTAMYATMQRNLKK
RGILSAAQLLSFSKLPEPTSGVIARAAEIMETSIQAMKRKVNLTQQSQHPTDALSEDLLSIANMSG
CLPYMLPPKCPNTCLANKYRPITGACNNRDHPRWGWASNTALARWLPPVYEDGFSQPRGWNPGF
LYNGFPLPPVREVTRHVIQVSNEVVTDDDRYSDLLMAWGQYIDHDIAFTPQSTSKAAFGGGADCCQ
MTCENQNPCFPIQLPEEARPAAGTACLPFYRSSAACGTGDQGALFNLSTANPRQQMNGLTSFL
DASTVYGSSPALERQLRNWTSAGELLRVHARLRDSGRAYLPFVPPRAPAACAPEPGIPGETRGP
CFLAGDGRASEVPSLTALHTLWLREHNRLAAALKALNAHWSADAVYQEARVVGALHQIITLTDYI
PRILGPEAFQQYVGPYEGYDSTANPTVSNVFSTAAFRFGHATHPLVRRLDASFQEHDPDLPGLWL
HQAFFSPWTLLRGGGLDPLIRGLLARPAKLQVQDQLMNEELTERLFVLSNSSTLDLASINLQRGR
DHGLPGYNEWREFCGLPRLETPADLSTAIASRSVADKILDLYKHPDNIDVWLGGLAENFLPRART
GPLFACLIGKQMKALRDGDWFWWENSHVFTDAQRRELEKHSLSRVICDNTGLTRVPMDAFQVG
KFPEDFESCDSITGMNLEAWRETFPQDDKCGFPESVENGDFVHCEESGRRVLVYSCRHGYELQ
GREQLTCTQEGWDFQPPLCKDVNECADGAHPPCHASARCRNTKGGFQCLCADPYELGDDGRT
CVDSGRLPRVTWISMSLAALLIGGFAGLTSTVICRWTRTGKSTLPISETGGGTPELRCGKHQAVG
TSPQRAAAQDSEQESAGMEGRDTHRLPRAL

Host

Mouse

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Western Blot (Transfected lysate)

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — TPO

Entrez GeneID	7173
GeneBank Accession#	BC095448
Protein Accession#	AAH95448
Gene Name	TPO
Gene Alias	MSA, TPX
Gene Description	thyroid peroxidase
Omim ID	274500 606765
Gene Ontology	Hyperlink
Gene Summary	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. Additional splice variants have been described but their biological natures have not been determined. [provided by RefSeq]

Other Designations

OTTHUMP00000115304|OTTHUMP00000115536|thyroid microsomal antigen|thyroperoxidase

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](#)