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Datasheet

TPO MaxPab rabbit polyclonal antibody (D01)

Catalog Number: H00007173-D01

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against a full-length human TPO protein.

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

Sequence:
MRALAVLSVTLVMACTEAFFPFISRGKELLWGKPEESR
VSSVLEESKRLVDTAMYATMQRNLKKRGILSAAQLLSF
SKLPEPTSGVIARAAEIMETSIQAMKRKVNLKTQQSQH
PTDALSEDLLSIIANMSGCLPYMLPPKCPNTCLANKYR
PITGACNNRDHPRWGASNTALARWLPPVYEDGFSQP
RGWNPGFLYNGFPLPPVREVTRHVIQVSNEVVTDDDR
YSDLLMAWGQYIDHDIAFTPQSTSKAAFGGGADCQMT
CENQNPCFPIQLPEEARPAAGTACLPFYRSSAACGTG
DQGALFGNLSTANPRQQMNGLTSFLDASTVYGSSPAL
ERQLRNWTSAEGLLRVHARLRDSGRAYLPFVPPRAPA
ACAPEPGIPGETRGPCFLAGDGRASEVPSLTALHTLW
LREHNRLAAALKALNAHWSADAVYQEARKVVGALHQII
TLRDYIPRILGPEAFQQYVGPYEGYDSTANPTVSNVFS
TAAFRFGHATIHPLVRRLDASFQEHPDLPGLWLHQAF
FSPWTLLRGGGLDPLIRGLLARPAKLQVQDQLMNEEL
TERLFVLSNSSTLDLASINLQRGRDHGLPGYNEWREF
CGLPRLETPADLSTAIASRSVADKILDLYKHPDNIDVWL
GGLAENFLPRARTGPLFACLIGKQMKALRDGDWFWW
ENSHVFTDAQRRELEKHSLSRVICDNTGLTRVPMDAF
QVGKFPEDFESCDSITGMNLEAWRETFPQDDKCGFP
ESVENGDFVHCEESGRRVLVYSCRHGYELQGREQLT
CTQEGWDFQPPLCKDVNECADGAHPPCHASARCRN
TKGGFQCLCADPYELGDDGRTCVDSGRLPRVTWISM
SLAALLIGGFAGLTSTVICRWTRTGTKSTLPISETGGGT
PELRCGKHQAVGTSPQRAAAQDSEQESAGMEGRDT
HRLPRAL

Host: Rabbit

Reactivity: Human,Mouse

Applications: IP, WB-Ti, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Storage Buffer: No additive

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7173

Gene Symbol: TPO

Gene Alias: MSA, TPX

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]