

TPO Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50066

Clone# BP6071

Predicted Molecular Wt: 103kDa

Species Cross-reactivity: Human

Applications: IHC-P

Purity: ProA affinity purified IgG

Form: Liquid

Swissprot ID: P07202

Background:

Thyroid peroxidase (TPO) is present as a dimer on the apical surface of thyroid follicular cells, and it is the primary enzyme involved in thyroid hormone synthesis.

TPO can be found in normal thyroid and thyroid carcinoma of papillary and follicular type, and it is a useful marker for the differentiation of benign and malignant thyroid neoplasms.

Subcellular location:

Cytoplasm

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to TPO residues within aa833-933 of TPO was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

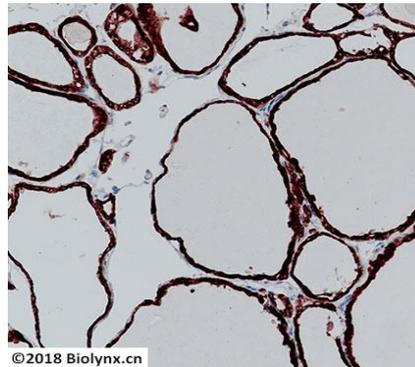
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. De Micco C et al. Eur J Endocrinol 1994;131:474-9.
2. De Micco C et al. Thyroid 2000;10:109-15.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of thyroid tissue labelling TPO with BP6071. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.