

Thyroglobulin Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50062

Clone# BP6067

Predicted Molecular Wt: 305kDa

Species Cross-reactivity: Human

Applications: IHC-P

Purity: ProA affinity purified IgG

Form: Liquid

Swissprot ID: P01266

Background:

Thyroglobulin (TG) is a dimeric glycoprotein specific to the thyroid gland which belongs to the type-B carboxylesterase/lipase family. It is the precursor of the iodinated thyroid hormones triiodothyronine (T3) and thyroxine (T4). Variations in TG are associated with susceptibility to autoimmune thyroid disease type 3. Defective or impaired TG synthesis usually results in congenital goitrous hypothyroidism, virtual absence of TG in thyroid tissue, and the presence of an elevated concentration of iodoalbumin. The final result of these abnormalities is a decreased rate of T3 and T4 synthesis.

Thyroglobulin is found in normal thyroid and differentiated thyroid carcinoma cells, but not undifferentiated thyroid. It is a useful marker for identification of tumors with thyroid origin.

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 Thyroglobulin residues within aa350-450 of Thyroglobulin was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C

Storage instructions:

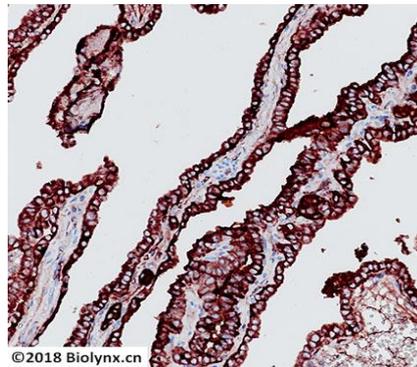
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Abrosimov A et al. Arkh Patol. 1996 Jul;58(4):43-8.
2. Pastolero GC et al. Am J Surg Pathol. 1996 Feb;20(2):245-50.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of thyroid cancer tissue labelling thyroglobulin with BP6067. 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.