

For Research Use Only

BTG1 Polyclonal antibody

Catalog Number: 14879-1-AP **8 Publications**



Basic Information

Catalog Number: 14879-1-AP	GenBank Accession Number: BC064953	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 694	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P62324	
Isotype: IgG	Full Name: B-cell translocation gene 1, anti-proliferative	
Immunogen Catalog Number: AG6651	Calculated MW: 19 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC: human thyroid cancer tissue, human Lymphoma tissue
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

BTG1 is a member of the TOB/BTG family of proteins known to inhibit cell proliferation and negatively regulate the cell cycle (PMID: 25017022). It is strongly expressed in quiescent cells (maximal in the G0/G1 phase) and down-regulated as the cells enter the growth cycle (PMID: 1373383). BTG1 protein is localized in cytoplasm and nucleus, and can interact with CAF1 and PRMT1 (PMID: 1113675, 9712883, 26622543). The aberration of BTG1 expression is associated with B-cell lymphocytic leukemia, and may serve as a diagnostic indicator and prognostic marker of thyroid carcinoma (PMID: 2069907, 25017022).

Notable Publications

Author	Pubmed ID	Journal	Application
Yang Zhao	24084718	Int J Mol Sci	
Shuang Zhao	33330092	Front Oncol	IHC
Chang Su	31452761	Oncol Lett	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

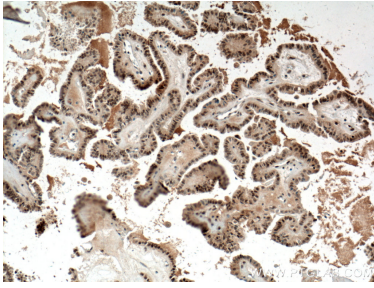
T: 4006900926

E: Proteintech-CN@ptglab.com

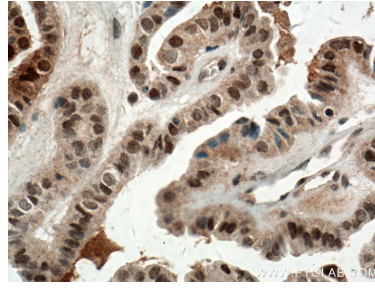
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 14879-1-AP (BTG1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 14879-1-AP (BTG1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).