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BTG4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18501b

Product Information

Application	WB, E
Primary Accession	Q9NY30
Other Accession	NP_060059.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38158
Calculated MW	25970
Antigen Region	142-169

Additional Information

Gene ID	54766
Other Names	Protein BTG4, BTG family member 4, Protein PC3b, BTG4, PC3B
Target/Specificity	This BTG4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 142-169 amino acids from the C-terminal region of human BTG4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BTG4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BTG4
Synonyms	PC3B
Function	Adapter protein that bridges CNOT7, a catalytic subunit of the CCR4-NOT complex, to EIF4E (By similarity). Facilitates maternal mRNAs decay during the

	maturation of oocytes and in the fertilized egg, and is required for the maternal-zygotic transition (MZT), zygotic cleavage and initiation of embryonic development (PubMed:32502391).
Tissue Location	Expressed in oocytes after germinal vesicle breakdown (PubMed:32502391). Expressed in testis and in olfactory epithelium.

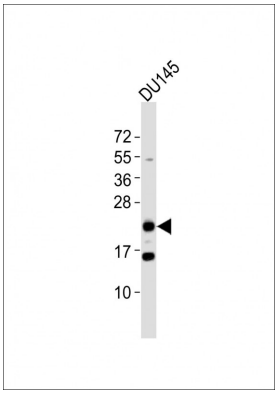
Background

The protein encoded by this gene is a member of the BTG/Tob family. This family has structurally related proteins that appear to have antiproliferative properties. This encoded protein can induce G1 arrest in the cell cycle.

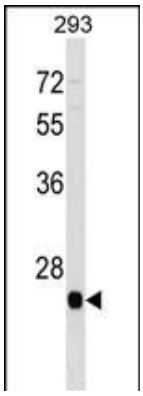
References

Xu, Y., et al. Int. J. Cancer (2010) In press :
Dong, W., et al. Biochem. Biophys. Res. Commun. 387(1):132-138(2009)
Toyota, M., et al. Cancer Res. 68(11):4123-4132(2008)
Auer, R.L., et al. Genes Chromosomes Cancer 43(1):1-10(2005)
Yoshida, Y., et al. Jpn. J. Cancer Res. 92(6):592-596(2001)

Images



Anti-BTG4 Antibody (C-term)at 1:2000 dilution + DU145 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



BTG4 Antibody (C-term) (Cat. #AP18501b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the BTG4 antibody detected the BTG4 protein (arrow).