BTG2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	BTG2, Monoclonal Antibody
Full Product Name	BTG2 (BTG Family, Member 2, MGC126063, MGC126064, PC3, TIS21) (AP)
Product Gene Name	anti-BTG2 antibody
Product Synonym Names	BTG Family; Member 2; MGC126063; MGC126064; PC3; TIS21
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1C6
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes BTG2.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	17kDa
OMIM	601597
3D Structure	ModBase 3D Structure for P78543
Immunogen	BTG2 (NP_006754, 59aa-158aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PSKGSGYRCIRINHKMDPIISRVASQIGLSQPQLHQLLPSELTLWVDPYEVSYRIGEDGSICVLYEEAPLAASCGLLTCKNQVLLGRSSPSKNYVMAVSS
Conjugate	AP
Product Categories/Family for anti-BTG2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-BTG2 antibody	ELISA (EIA)
Application Notes for anti-BTG2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-BTG2 antibody	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 is involved in the regulation of the G1/S transition of the cell cycle. [provided by RefSeq]

Other Notes	Small volumes of anti-BTG2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BTG2 purchase	MBS6161794 is an antibody targeting BTG2. Also known as BTG2 (BTG Family, Member 2, MGC126063, MGC126064, PC3, TIS21) (AP). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BTG2. It may not necessarily be applicable to this product.

NCBI GI #	5802988
NCBI GeneID	7832
NCBI Accession #	NP_006754
UniProt Primary Accession #	P78543
UniProt Related Accession #	P78543
GenBank Nucleotide #	NM_006763
NCBI Official Full Name	protein BTG2
NCBI Official Synonym Full Names	BTG anti-proliferation factor 2
NCBI Official Symbol	BTG2
NCBI Official Synonym Symbols	PC3; APRO1; TIS21
UniProt Protein Name	Protein BTG2
UniProt Synonym Protein Names	BTG family member 2; NGF-inducible anti-proliferative protein PC3
Protein Family	Protein
UniProt Gene Name	BTG2
UniProt Synonym Gene Names	PC3
NCBI Protein Information	protein BTG2
UniProt Comments for BTG2	Anti-proliferative protein; the function is mediated by association with deadenylase subunits of the CCR4-NOT complex. Activates mRNA deadenylation in a CNOT6 and CNOT7-dependent manner. In vitro can inhibit deadenylase activity of CNOT7 and CNOT8. Involved in cell cycle regulation. Could be involved in the growth arrest and differentiation of the neuronal precursors (). Modulates transcription regulation mediated by ESR1. Involved in mitochondrial depolarization and neurite outgrowth.
Research Articles on BTG2	**1.** We suggest that BTG2(/TIS21) is a potential inhibitor of nucleolin in the cytoplasm, leading to inhibition of carcinogenesis after H. pylori infection.
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