10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BTG2 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant BTG2.
Catalog # AT1317a

Product Information

Application	E
Primary Accession	P78543
Other Accession	NM_006763
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1C6
Calculated MW	17416

Additional Information

Gene ID	7832
Other Names	Protein BTG2, BTG family member 2, NGF-inducible anti-proliferative protein PC3, BTG2, PC3
Target/Specificity	BTG2 (NP_006754, 59 a.a. ~ 158 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	BTG2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

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 is involved in the regulation of the G1/S transition of the cell cycle.

References

Up-regulation of cell cycle arrest protein BTG2 correlates with increased overall survival in breast cancer, as detected by immunohistochemistry using tissue microarray. M?llerstr?m E, et al. BMC Cancer, 2010 Jun 16. PMID 20553615.Impaired terminal differentiation of hippocampal granule neurons and defective contextual

memory in PC3/Tis21 knockout mice. Farioli-Vecchioli S, et al. PLoS One, 2009 Dec 17. PMID 20020054.Skp2 enhances polyubiquitination and degradation of TIS21/BTG2/PC3, tumor suppressor protein, at the downstream of FoxM1. Park TJ, et al. Exp Cell Res, 2009 Nov 1. PMID 19615363.Regulation of the cell cycle gene, BTG2, by miR-21 in human laryngeal carcinoma. Liu M, et al. Cell Res, 2009 Jul. PMID 19546886.B-cell translocation gene 2 is over-expressed in peri-infarct neurons after ischaemic stroke. Slevin M, et al. Pathobiology, 2009 May. PMID 19468252.