

#### BTG2 Antibody (monoclonal) (M03)

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

### **Specification**

# BTG2 Antibody (monoclonal) (M03) - Product Information

Application E
Primary Accession P78543
Other Accession NM\_006763
Reactivity Human
Host mouse
Clonality Monoclonal
Isotype IgG2a Kappa

Calculated MW 17416

### BTG2 Antibody (monoclonal) (M03) - 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.  $\sim$  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.

### BTG2 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry





• Immunofluorescence

- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### BTG2 Antibody (monoclonal) (M03) - Images

# BTG2 Antibody (monoclonal) (M03) - 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.

#### BTG2 Antibody (monoclonal) (M03) - 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.