

ARG59190 anti-BTG2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BTG2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BTG2
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human BTG2. (EQRLKVFSGALQEALTEHYKHHWFPEK)
Conjugation	Un-conjugated
Alternate Names	PC3; Protein BTG2; BTG family member 2; TIS21; NGF-inducible anti-proliferative protein PC3

Application Instructions

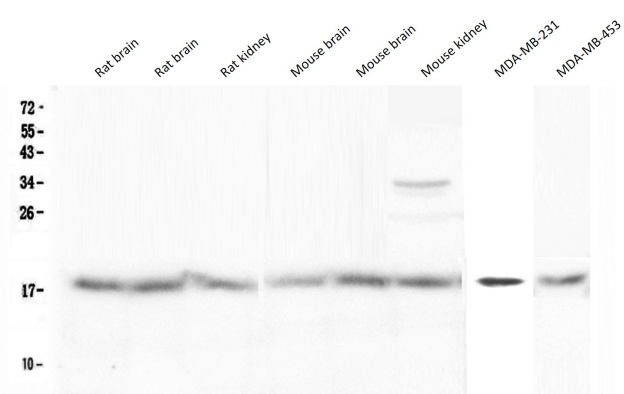
Application table	Application	Dilution
	FACS	1:150 - 1:500
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

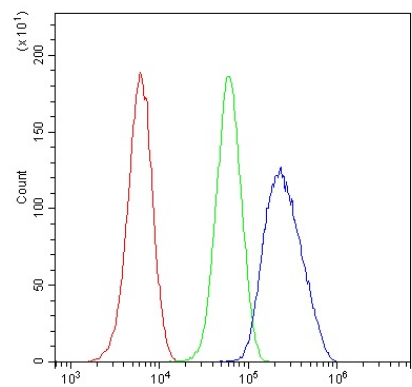
Gene Symbol	BTG2
Gene Full Name	BTG family, member 2
Background	The protein encoded by this gene is a member of the BTG/Tob family. This family has structurally related proteins that appear to have antiproliferative properties. This encoded protein is involved in the regulation of the G1/S transition of the cell cycle. [provided by RefSeq, Jul 2008]
Function	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 (By similarity). Modulates transcription regulation mediated by ESR1. Involved in mitochondrial depolarization and neurite outgrowth. [UniProt]
Calculated Mw	17 kDa
PTM	Phosphorylated at Ser-147 by MAPK1/ERK2 and MAPK3/ERK1, and at Ser-149 by MAPK14, leading to PIN1-binding and mitochondrial depolarization. [UniProt]

Images



ARG59190 anti-BTG2 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat brain, Rat brain, Rat kidney, Mouse brain, Mouse brain, Mouse kidney, MDA-MB-231 and MDA-MB-453 whole cell lysates stained with ARG59190 anti-BTG2 antibody at 0.5 µg/ml, overnight at 4°C.



ARG59190 anti-BTG2 antibody FACS image

Flow Cytometry: U2OS cells were blocked with 10% normal goat serum and then stained with ARG59190 anti-BTG2 antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.