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Datasheet for ABIN885738

anti-BTG2 antibody (AA 31-110) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	BTG2
Binding Specificity:	AA 31-110
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BTG2 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human BTG2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Pig,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	BTG2
Alternative Name:	BTG2 (BTG2 Products)

Target Details

Background: Synonyms: BTG2_HUMAN, Protein BTG2, BTG family member 2, NGF-inducible anti-proliferative protein PC3, pheochromacytoma cell-3, nerve growth factor-inducible anti-proliferative, B-cell translocation gene 2, BTG2, TIS21, PC3, TIS21.

Background: BTG2 is a member of the BTG/Tob family. This family has structurally related proteins that appear to have antiproliferative properties. BTG2 is involved in the regulation of the G1/S transition of the cell cycle. It modulates transcription regulation mediated by ESR1(referenced from Entrez Gene). BTG2 expression is induced in vivo during neurogenesis, and the gene is transiently expressed in vitro in rat pheochromocytoma PC12 cells after induction of neuronal differentiation by addition of nerve growth factor (NGF), suggesting that BTG2 is functionally significant during the neuronal differentiation process (PMID: 12360398).

Gene ID: 7832

UniProt: [P78543](#)

Pathways: [MAPK Signaling](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months