Datasheet for ABIN651304

anti-BTG1 antibody (AA 92-118)

3 Images | 1 Publication

Go to Product page

Overview

Quantity:	400 µL
Target:	BTG1
Binding Specificity:	AA 92-118
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BTG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This BTG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 92-118 amino acids from the Central region of human BTG1.
Clone:	RB26174
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	BTG1
Alternative Name:	BTG1 (BTG1 Products)

Target Details

Background:	BTG1 is a member of an anti-proliferative gene family that regulates cell growth and differentiation. Expression of this gene is highest in the G0/G1 phases of the cell cycle and downregulated when cells progressed through G1. The encoded protein interacts with several nuclear receptors, and functions as a coactivator of cell differentiation. This locus has been shown to be involved in a t(8,12)(q24,q22) chromosomal translocation in a case of B-cell chronic lymphocytic leukemia.
Molecular Weight:	19209
Gene ID:	694
NCBI Accession:	NP_001722
UniProt:	P62324
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

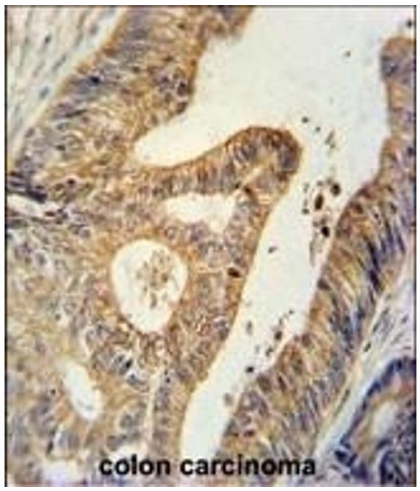
Publications

Product cited in:	Zhang, Yang, Cai, Zhao, Sun, Li, Feng, Feng, Ye, Niu, Zhang: "miR-511 promotes the proliferation of human hepatoma cells by targeting the 3'UTR of B cell translocation gene 1 (BTG1) mRNA."

Publications

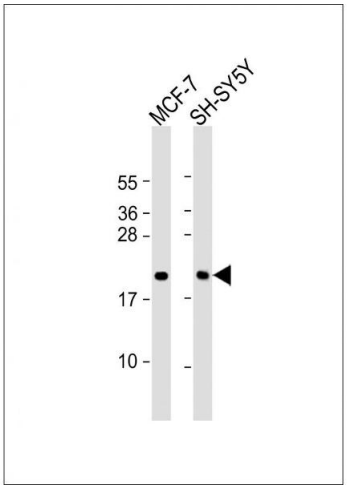
in: **Acta pharmacologica Sinica**, Vol. 38, Issue 8, pp. 1161-1170, (2018) (PubMed).

Images



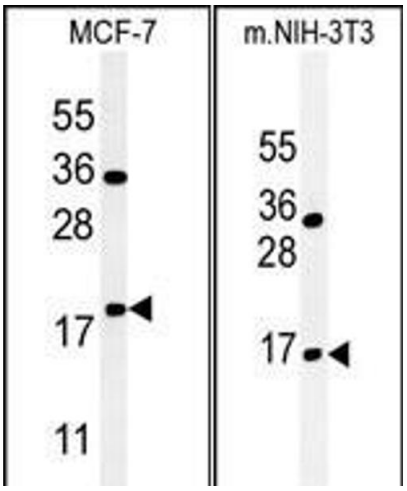
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. BTG1 Antibody (Center) (ABIN651304 and ABIN2840179) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the BTG1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. All lanes : Anti-BTG1 Antibody (Center) at 1:2000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 19 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. (LEFT)Western blot analysis of BTG1 Antibody (Center) (ABIN651304 and ABIN2840179) in MCF-7 cell line lysates (35 µg/lane).BTG1 (arrow) was detected using the purified Pab.(RIGHT)Western blot analysis of BTG1 Antibody (Center) (ABIN651304 and ABIN2840179) in mouse NIH-3T3 tissue lysates (35 µg/lane).BTG1 (arrow) was detected using the purified Pab.