

Anti-BTG2 Polyclonal Antibody

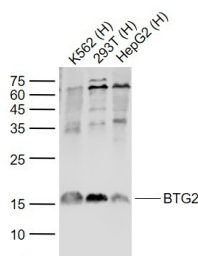
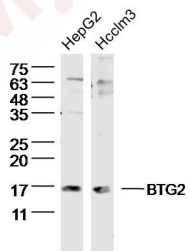
Product Details

Ig Type: IgG
Reactivity: Human(predicted:Mouse,Rat,Pig,Rabbit,GuineaPig)
Molecular Weight: Theoretical: 17 kDa. Actual: 17 kDa.
Purification: Protein A purified

Applications

1. Sample:
HepG2 (human) cell Lysate at 40 μ g
Hcclm3 (human) cell Lysate at 40 μ g
Primary: Anti-BTG2 (TMAB-00254) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 17 kDa
Observed band size: 17 kDa

Verified Activity: 2. Sample:
Lane 1: K562 (Human) Cell Lysate at 30 μ g
Lane 2: 293T (Human) Cell Lysate at 30 μ g
Lane 3: HepG2 (Human) Cell Lysate at 30 μ g
Primary: Anti-BTG2 (TMAB-00254) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 17 kDa
Observed band size: 16 kDa



Application: WB
Recommended WB: 1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human BTG2

Antigen Species: Human

Gene ID: 7832

Uniprot ID: P78543

Synonyms: nerve growth factor-inducible anti-proliferative;pheochromocytoma cell-3;PC3;TIS21;B-cell translocation gene 2;NGF-inducible anti-proliferative protein PC3;BTG family member 2;BTG2

Biology Area: Other factors,Neurogenesis

Research 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).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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