

GATA1 (phospho-S310) polyclonal antibody

Catalog: BS4079

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

GATA1 (Globin transcription factor 1) is a Cys2/Cys2 zinc finger DNA binding protein that is expressed primarily in erythroid, megakaryocytic, mast cells and eosinophilic cells. It belongs to the GATA family of transcription factors. GATA1 is a transcriptional activator which probably serves as a general switch factor for erythroid development. It binds to DNA sites with the consensus sequence [AT]GATA[AG] within regulatory regions of globin genes and of other genes expressed in erythroid cells. The protein also plays an important role in erythroid development by regulating the switch of fetal hemoglobin to adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic anemia and thrombocytopenia. Acquired somatic mutations in GATA1 occur in virtually all children with Down's Syndrome, congenital transient myeloproliferative syndrome (TMD) and acute megakaryocytic leukemia.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 43, 55 kDa

Swiss-Prot:

P15976

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

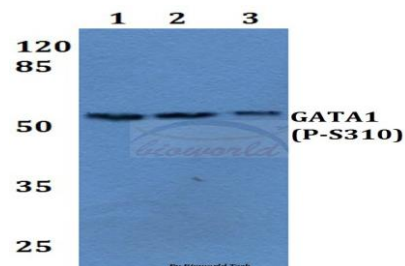
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-GATA1 (S310) polyclonal antibody detects endogenous levels of GATA1 protein only when phosphorylated at Ser310

DATA:



Western blot (WB) analysis of p-GATA1 (S310) polyclonal antibody at 1:500 dilution

Lane1: THP-1 cell lysate treated with EGF(0.1ng/ml, 30mins)

Lane2: Raw264.7 cell lysate treated with EGF(0.1ng/ml, 30mins)

Lane3: H9C2 cell lysate treated with EGF(0.1ng/ml, 30mins)

Note:

For research use only, not for use in diagnostic procedure.

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