

GATA2/3 (K304) polyclonal antibody

Catalog: BS1646

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

The genes for all 4 subunits of the T-cell antigen receptor (alpha, beta, gamma and delta) are controlled by distinct enhancers and their enhancer-binding proteins. Marine and Winoto (1991) identified a common TCR regulatory element by demonstrating binding of the enhancer-binding protein GATA3 to the enhancer elements of all 4 TCR genes. GATA3 had been shown in the chicken to be an enhancer-binding protein containing a zinc finger domain. GATA3 mRNA was demonstrated by Northern blot analysis in T cells but not in B cells or macrophages. GATA3 is abundantly expressed in the T-lymphocyte lineage and is thought to participate in T-cell receptor gene activation through binding to enhancers. Labastie et al. (1994) cloned the human gene and the 5-prime end of the mouse gene. The human gene comprises 6 exons distributed over 17 kb of DNA. Its 2 zinc fingers are encoded by 2 separate exons highly conserved with those of GATA1, but no other structural homologies between the 2 genes could be found.

Product:

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

Molecular Weight:

Swiss-Prot:

P23771/P23769

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:

IHC: 1:50~1:200

IF: 1:50~1:200

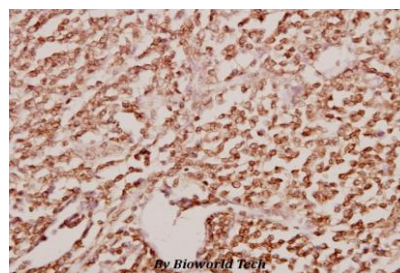
Storage&Stability:

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

Specificity:

GATA2/3 (K304) polyclonal antibody detects endogenous levels of GATA2/3 protein.

DATA:



Immunohistochemistry (IHC) analyzes of GATA2/3 (K304) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.

Note:

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

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