

Datasheet for ABIN969167
anti-GATA3 antibody (AA 175-388)[Go to Product page](#)

1 Image

4 Publications

Overview

Quantity:	100 µL
Target:	GATA3
Binding Specificity:	AA 175-388
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GATA3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of GATA3 (aa175-388) expressed in E. coli.
Clone:	1A10D1
Isotype:	IgG1
Purification:	purified

Target Details

Target:	GATA3
Alternative Name:	GATA3 (GATA3 Products)
Background:	Description: GATA3: GATA binding protein 3. The genes for all 4 subunits of the T-cell antigen receptor (alpha, beta, gamma and delta) are controlled by distinct enhancers and their

Target Details

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, macrophages, or HeLa cell lines. 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.

Aliases: HDR

Gene ID: 2625

HGNC: 2625

Pathways: [Hormone Transport](#), [Regulation of Hormone Metabolic Process](#), [Tube Formation](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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

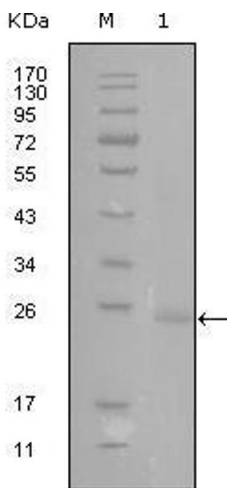
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in:

Journal of cell science, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) ([PubMed](#)).

Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using GATA3 mouse mAb against truncated GATA3-His recombinant protein (1).