

Product Name: KD-Validated GATA2/GATA3 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01062

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Predicted, 48,51 kDa; observed, 51 kDa

Antigen Information

Gene Name	GATA2/3
Alternative Names	GATA2; GATA Binding Protein 2; NFE1B; Endothelial Transcription Factor GATA-2; GATA-Binding Protein 2; MONOMAC; IMD21; DCML; GATA3; GATA Binding Protein 3; HDR; Trans-Acting T-Cell-Specific Transcription Factor GATA-3; GATA-Binding Factor 3; GATA-Binding Protein 3; HDRS
Gene ID	2624,2625
SwissProt ID	P23769,P23771
Immunogen	A synthesized peptide derived from human GATA2/3

Background

GATA3: This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-

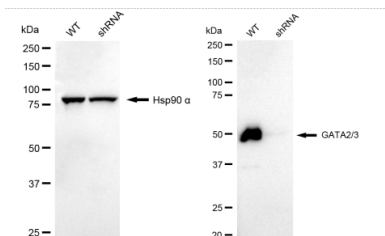
type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia. [provided by RefSeq, Nov 2009]

GATA2: This gene encodes a member of the GATA family of zinc-finger transcription factors that are named for the consensus nucleotide sequence they bind in the promoter regions of target genes. The encoded protein plays an essential role in regulating transcription of genes involved in the development and proliferation of hematopoietic and endocrine cell lineages. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Mar 2009]

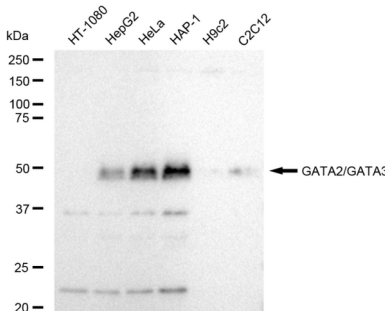
Research Area

Immunology, Epigenetics and Nuclear Signaling, Stem Cells, Developmental Biology

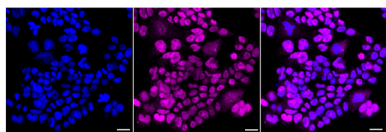
Image Data



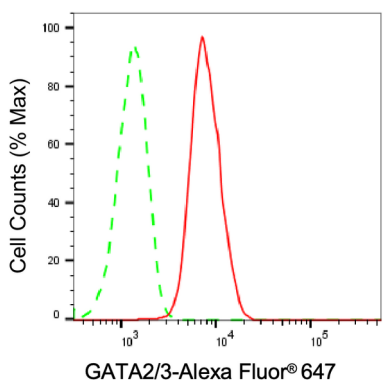
Western blotting analysis using GATA2/3 antibody (KVA01062). GATA2/3 expression in wild type (WT) and GATA2/3 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with GATA2/3 antibody (KVA01062, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using GATA2/GATA3 antibody (KVA01062). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with GATA2/GATA3 antibody (KVA01062, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with GATA2/3 antibody (KVA01062, 1:1,000). Nuclei were stained blue with DAPI; GATA2/3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of GATA2/3 expression in HAP-1 cells using GATA2/3 antibody (KVA01062, 1:2,000). Green, isotype control; red, GATA2/3.

