

ARG41622 anti-GATA2 + GATA3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GATA2 + GATA3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GATA2 + GATA3
Species	Human
Immunogen	Synthetic peptide of Human GATA2/3.
Conjugation	Un-conjugated
Alternate Names	GATA2: DCML; GATA-binding protein 2; NFE1B; IMD21; Endothelial transcription factor GATA-2; MONOMAC GATA3: HDR; HDRS

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control	K562
Observed Size	~ 50 kDa

Properties

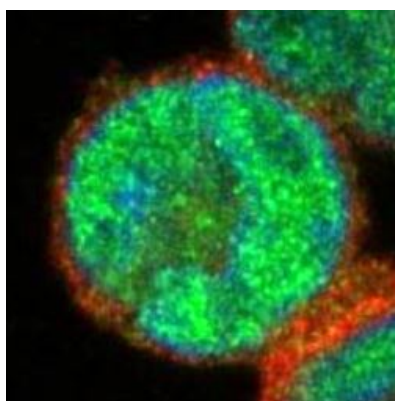
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

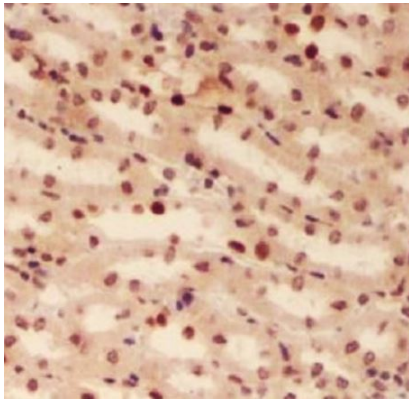
Gene Symbol	GATA2; GATA3
Gene Full Name	GATA binding protein 2; GATA binding protein 3
Background	<p>GATA2: This gene encodes a member of the GATA family of zinc-finger transcription factors that are named for the consensus nucleotide sequence they bind in the promoter regions of target genes. The encoded 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]</p> <p>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]</p>
Function	<p>GATA2: Transcriptional activator which regulates endothelin-1 gene expression in endothelial cells. Binds to the consensus sequence 5'-AGATAG-3'. [UniProt]</p> <p>GATA3: Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses.</p>
Calculated Mw	GATA2: 50.5 kDa GATA3: 48 kDa
Cellular Localization	GATA2 and GATA3: Nucleus. [UniProt]

Images



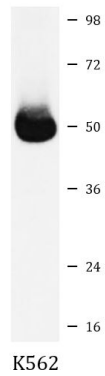
ARG41622 anti-GATA2 + GATA3 antibody ICC/IF image

Immunofluorescence: K562 cells stained with ARG41622 anti-GATA2 + GATA3 antibody.



ARG41622 anti-GATA2 + GATA3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney tissue stained with ARG41622 anti-GATA2 + GATA3 antibody.



ARG41622 anti-GATA2 + GATA3 antibody WB image

Western blot: K562 cell lysate stained with ARG41622 anti-GATA2 + GATA3 antibody.