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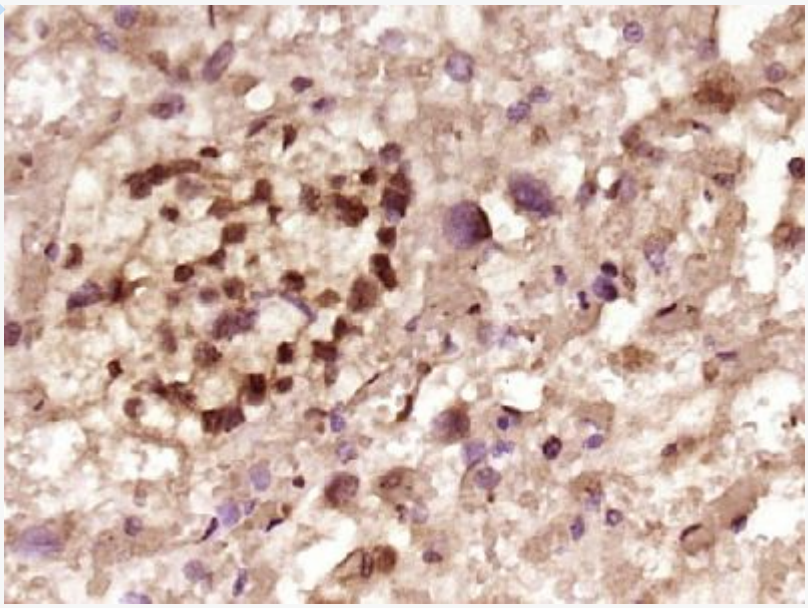
Rabbit Anti-GATA2 antibody

SL6616R

Product Name:	GATA2
Chinese Name:	GATABinding protein2抗体
Alias:	GATA-2; GATA 2; GATA Binding Protein 2; GATA-binding protein 2; Gata2; GATA2_HUMAN; MGC2306; NFE 1B; NFE1B.
文献引用 PubMed :	**Specific References(1)**|SL6616R has been referenced in 1 publications. **[IF=3.87]**Ikari, Akira, et al. "Hyperosmolarity-Induced Down-Regulation of Claudin-2 Mediated by Decrease in PKCβ-Dependent GATA-2 in MDCK Cells." Journal of Cellular Physiology (2015).**WB;Dog**. PubMed:25825272
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	53kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GATA-2:351-450/480
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Members of the GATA family share a conserved zinc finger DNA-binding domain and are capable of binding the WGATAR consensus sequence. GATA-1 is erythroid-specific and is responsible for the regulated transcription of erythroid genes. It is an essential component in the generation of the erythroid lineage. GATA-2 is expressed in embryonic brain and liver, HeLa and endothelial cells, as well as in erythroid cells. Studies with a modified GATA consensus sequence, AGATCTTA, have shown that GATA-2 and GATA-3 recognize this mutated consensus while GATA-1 has poor recognition of this sequence. This indicates broader regulatory capabilities of GATA-2 and GATA-3 than GATA-1. GATA-3 is highly expressed in T lymphocytes. GATA-4, GATA-5 and GATA-6 comprise a subfamily of transcription factors. Both GATA-4 and GATA-6 are found in heart, pancreas and ovary; lung and liver tissues exhibit GATA-6, but not GATA-4 expression. GATA-5 expression has been observed in differentiated heart and gut tissues and is present throughout the course of development in the heart. Although expression patterns of the various GATA transcription factors may overlap, it is not yet apparent how the GATA factors are able to discriminate in binding their appropriate target sites. **Function:** Transcriptional activator which regulates endothelin-1 gene expression in endothelial cells. Binds to the consensus sequence 5'-AGATAG-3'. **Subcellular Location:** Nucleus. **Tissue Specificity:** Endothelial cells. **DISEASE:** Defects in GATA2 are the cause of dendritic cell monocyte lymphocyte B and natural killer lymphocyte deficiency (DCML) [MIM:614172]. DCML is an immunodeficiency disease characterized by profoundly decreased or absent monocytes, B-lymphocytes, natural killer lymphocytes, and circulating and tissue dendritic cells, with little or no effect on T-cell numbers. Clinical features of DCML include susceptibility to disseminated non-tuberculous mycobacterial infections, papillomavirus infections, opportunistic fungal infections, and pulmonary alveolar proteinosis. Bone marrow hypocellularity and dysplasia of myeloid, erythroid, and megakaryocytic lineages are present in most patients, as are karyotypic abnormalities, including monosomy 7 and trisomy 8. **Similarity:** Contains 2 GATA-type zinc fingers. **SWISS:** P23769

	Gene ID: 2624 **Database links:** Entrez Gene: 416018Chicken Entrez Gene: 2624Human Entrez Gene: 14461Mouse Entrez Gene: 25159Rat Omim: 137295Human SwissProt: P23824Chicken SwissProt: P23769Human SwissProt: O09100Mouse SwissProt: Q924Y4Rat Unigene: 367725Human Unigene: 34322Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	

	Paraformaldehyde-fixed, paraffin embedded (Mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GATA2) Polyclonal Antibody, Unconjugated (SL6616R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.