



GATA-2/3 Polyclonal Antibody

Catalog No	YP-Ab-01744
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	GATA2/GATA3
Immunogen	The antiserum was produced against synthesized peptide derived from human GATA3. AA range:274-323
Specificity	GATA-2/3 Polyclonal Antibody detects endogenous levels of GATA-2/3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NFE1B;GATA-binding protein 2;GATA binding protein 2;Endothelial transcription factor GATA-2;GATA-2/3;GATA2/GATA3;rans-acting T-cell-specific transcription factor GATA-2/3;GATA3;Trans-acting T-cell-specific transcription factor GATA-3;GATA-binding factor 3;GATA2
Calculated Molecular Weight	48kD
Cell Pathway	Nucleus.
Tissue Specificity	T-cells and endothelial cells.
Function	disease:Defects in GATA3 are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia (HDR) [MIM:146255]; also known as Barakat syndrome.,function:Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'.,similarity:Contains 2 GATA-type zinc fingers.,tissue specificity:T-cells and endothelial cells.,
Background	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],

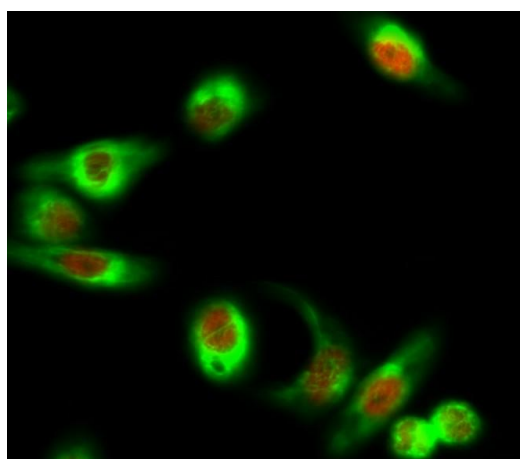
matters needing attention

Avoid repeated freezing and thawing!

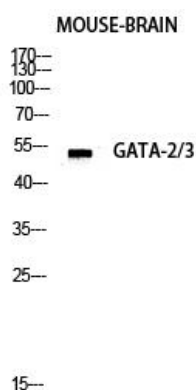
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

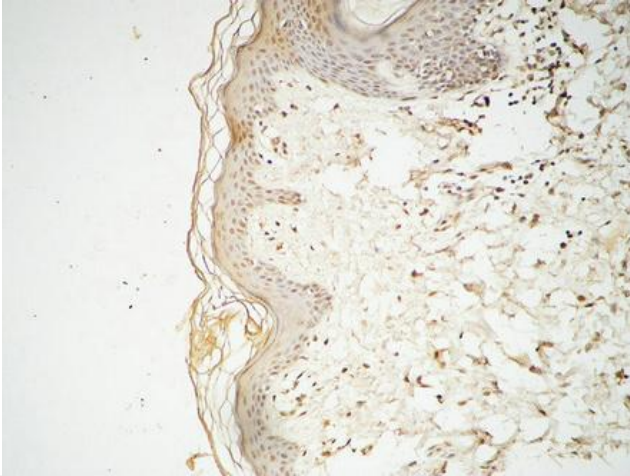


Immunofluorescence analysis of HeLa cell. 1, GATA-2/3 Polyclonal Antibody (red) was diluted at 1:200 (4° overnight). HSP70 Monoclonal Antibody (3G10) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog: RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog: RS3208 was diluted at 1:1000 (room temperature, 50min).

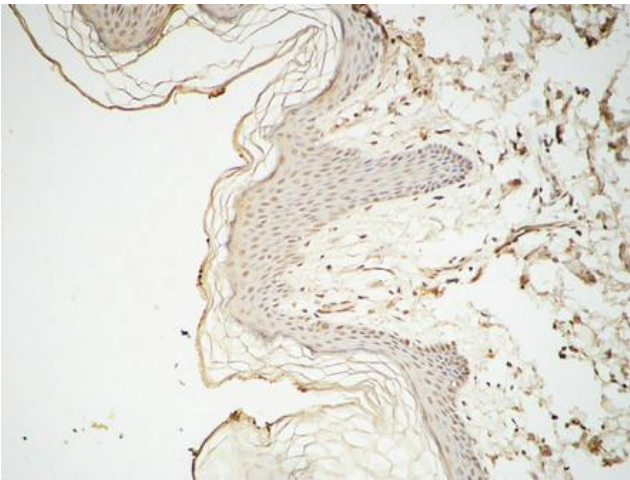


Western blot analysis of mouse-brain lysis using GATA-2/3 antibody. Antibody was diluted at 1:500. Cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent Biotech, MN, USA).

Immunohistochemical analysis of paraffin-embedded Human skin. 1, Antibody was diluted at 1:100 (4° overnight). 2, High-pressure and temperature EDTA, pH 8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human skin. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human skin. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).