

Datasheet for ABIN734333
anti-GATA4 antibody (AA 261-360)[2 Images](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	GATA4
Binding Specificity:	AA 261-360
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GATA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GATA-4
Isotype:	IgG
Specificity:	May also interact with GATA-5, GATA-6
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GATA4
Alternative Name:	GATA4 (GATA4 Products)
Background:	<p>Synonyms: TOF, ASD2, VSD1, TACHD, Transcription factor GATA-4, GATA-binding factor 4, GATA4</p> <p>Background: Transcriptional activator that binds to the consensus sequence 5'-AGATAG-3' and plays a key role in cardiac development. Involved in bone morphogenetic protein (BMP)-mediated induction of cardiac-specific gene expression. Binds to BMP response element (BMPRE) DNA sequences within cardiac activating regions. Acts as a transcriptional activator of ANF in cooperation with NKX2-5. Promotes cardiac myocyte enlargement. Required during testicular development.</p>
Gene ID:	2626
UniProt:	P43694
Pathways:	Peptide Hormone Metabolism , Carbohydrate Homeostasis

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IF(IHC-P) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

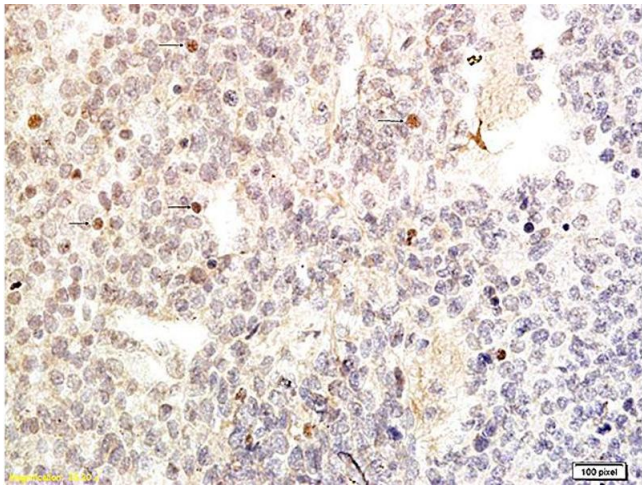
Handling

Expiry Date: 12 months

Publications

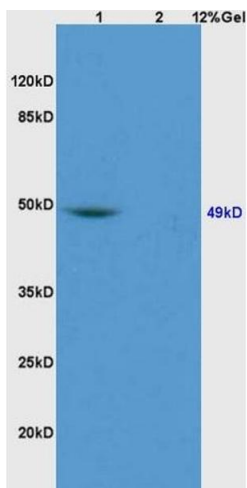
Product cited in: Gao, Zhang, Ding, Chen, Hu, Jiang, Li, Chen, Wang, Ye, Zhu: "Common expression of stemness molecular markers and early cardiac transcription factors in human Wharton's jelly-derived mesenchymal stem cells and embryonic stem cells." in: **Cell transplantation**, Vol. 22, Issue 10, pp. 1883-900, (2014) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human embryonic cells labeled with Anti-GATA-4, Unconjugated (ABIN734333) followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 2. Lane 1: rat brain lysates Lane 2: rat liver lysates probed with Anti GATA4 Polyclonal Antibody, Unconjugated (ABIN734333) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 49kD. Observed band size: 49kD.