

Rabbit Anti-Rat GATA Binding Protein 4 (GATA4) Polyclonal Antibody

Cat. No.: VD1N454

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for rat gata binding protein 4. It is affinity purified by protein A. It can be applied to WB, IHC, ICC and IP assays of rat gata binding protein 4.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Polyclonal
Classification	Primary Antibody
Clone	A12N6
Host	Rabbit
Target Species	Rat
Species Reactivity	Rat
Specificity	Rat GATA Binding Protein 4
Isotype	IgG
Immunogen	Recombinant protein of rat gata binding protein 4
Purification	Protein A Purified
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, with 50% Glycerol
Physical State	Liquid

Target Information

Rat GATA binding protein 4 (GATA4) is a transcription factor that plays a critical role in the development and function of various tissues. It is highly expressed in the heart, where it regulates cardiac morphogenesis and maintains cardiac function. GATA4 is also inv

olved in the development of the digestive system, particularly in the formation of the gut and pancreas. By binding to specific DNA sequences, GATA4 controls the expression of genes related to cell differentiation and organogenesis. As a key regulator of developmental processes, GATA4 is an important target for studying congenital heart defects and gastrointestinal disorders.

Target	Rat GATA Binding Protein 4
Target Synonym	Transcription factor GATA-4
Gene ID	54254
UniProt ID	P46152

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 2 years). Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Kitta, Kazumi, *et al.* "Hepatocyte growth factor induces GATA-4 phosphorylation and cell survival in cardiac muscle cells." *Journal of Biological Chemistry* 278.7 (2003): 4705-4712.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.