

# GATA4 Monoclonal antibody

Catalog Number: 68012-1-Ig

## Basic Information

**Catalog Number:**

68012-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG30392

**GenBank Accession Number:**

BC101580

**GeneID (NCBI):**

2626

**UNIPROT ID:**

P43694

**Full Name:**

GATA binding protein 4

**Calculated MW:**

442 aa, 45 kDa

**Observed MW:**

44,45 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

2F5C6

**Recommended Dilutions:**

WB 1:1000-1:8000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, Mouse

**Positive Controls:**

WB : PC-3 cells, HEK-293 cells, HepG2 cells, NCCIT cells

## Background Information

GATA4 is a transcriptional activator. GATA4 binds to the consensus sequence 5'-AGATAG-3'. GATA4 acts as a transcriptional activator of ANF in cooperation with NKX2-5. Mutation of GATA4 will cause the atrial septal defect type 2 (ASD2).

## Storage

**Storage:**

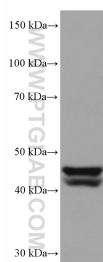
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 68012-1-Ig (GATA4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.