

Product datasheet

Anti-GATA2 antibody [EPR2822(2)] ab109241

Recombinant RabMAb

5 References 2 Images

Overview

Product name	Anti-GATA2 antibody [EPR2822(2)]
Description	Rabbit monoclonal [EPR2822(2)] to GATA2
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt, ICC/IF or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human GATA2 aa 450-550. The exact sequence is proprietary.
Positive control	K562 cell lysate, Molt-4 cell lysate
General notes	A trial size is available to purchase for this antibody.

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab[®] patents](#)

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

This product is a recombinant rabbit monoclonal antibody.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2822(2)
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab109241** in the following tested applications.

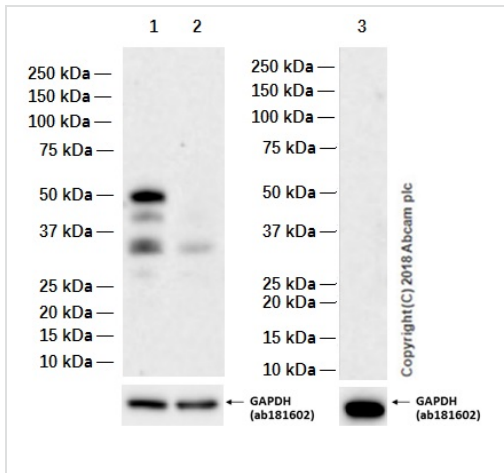
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 51 kDa.
IP		1/10 - 1/100.
Application notes		Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

Target

Function	Transcriptional activator which regulates endothelin-1 gene expression in endothelial cells. Binds to the consensus sequence 5'-AGATAG-3'.
Tissue specificity	Endothelial cells.
Sequence similarities	Contains 2 GATA-type zinc fingers.
Cellular localization	Nucleus.

Images



Western blot - Anti-GATA2 antibody [EPR2822(2)] (ab109241)

All lanes : Anti-GATA2 antibody

[EPR2822(2)] (ab109241) at 1/1000 dilution

Lane 1 : K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate prepared using 1% SDS hot lysis method

Lane 2 : K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate prepared using RIPA lysis method

Lane 3 : U-937 (Human histiocytic lymphoma monocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 51 kDa

Exposure time: 3 minutes

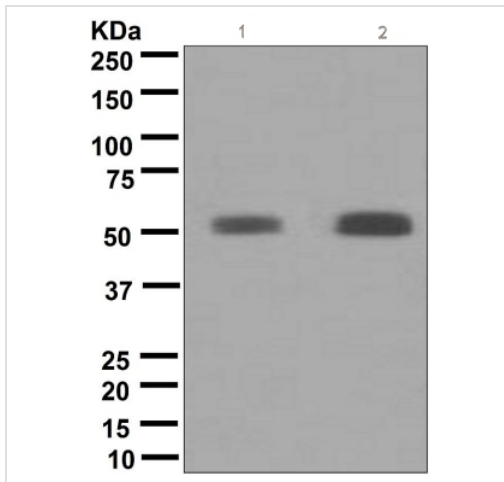
Blocking and diluting buffer: 5% NFDM/TBST.

The different result in K-562 is due to the lysates preparation method.

For Lysate preparation protocol, please refer to the protocol book in the protocol section and/or [here \(downloadable copy\)](#).

The expression profile observed in U-937 is consistent with the literature (PMID: 19212333).

Negative control: U-937 (PMID: 19212333)



Western blot - Anti-GATA2 antibody [EPR2822(2)]
(ab109241)

All lanes : Anti-GATA2 antibody
[EPR2822(2)] (ab109241) at 1/1000 dilution

Lane 1 : K562 cell lysate

Lane 2 : Molt-4 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 51 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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