Datasheet for ABIN1700674

# anti-GABPA antibody (AA 51-150) (Biotin)

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | GABPA |
| Binding Specificity: | AA 51-150 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GABPA antibody is conjugated to Biotin |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

| | |
|---|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human GABPA/NRF2A |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Rat |
| Predicted Reactivity: | Mouse,Dog,Cow,Sheep,Pig,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

## Target Details

| | |
|---|---|
| Target: | GABPA |
| Alternative Name: | GABPA/NRF2A (GABPA Products) |

## Target Details

| | |
|---|---|
| Background: | Synonyms: E4TF 1A, E4TF1 60, E4TF1A, GA binding protein alpha chain, GA binding protein transcription factor alpha subunit 60 kDa, GA binding protein transcription factor alpha subunit, GA-binding protein alpha chain, GABP A, GABP alpha subunit, GABP alpha subunit, GABP subunit alpha, Gabpa, GABPA_HUMAN, Human nuclear respiratory factor 2 subunit alpha, NFT 2, NFT2, NRF 2, NRF 2A, NRF2, NRF2A, Nuclear respiratory factor 2 alpha subunit, Nuclear respiratory factor 2 subunit alpha, Nuclear respiratory factor 2 subunit alpha, RCH04A07, Transcription factor E4TF1 60, Transcription factor E4TF1 60, Transcription factor E4TF1-60. Background: The transcription factor GA-binding protein (GABP) is composed of two subunits, the Ets-related GABP-alpha and a GABP-alpha-associated subunit, GABP beta. GABP alpha binds to a specific DNA sequence and GABP beta exists as b1 and b2 splice variants that differ in their C-termini. In primary neuronal cultures, GABP beta is expressed in both the cytoplasm and the nucleus, whereas GABP alpha is expressed mainly in the nucleus. GABP is constitutively expressed as either a GABP alpha beta heterodimer or a GABP alpha b heterotetramer, both of which can modify GABP-dependent transcription in vitro and in vivo. The GABP alpha beta tetrameric complex performs many different functions, such as stimulating transcription of the adenovirus E4 gene, differentially activating BRCA1 expression in human breast cell lines, potentiating Tat-mediated activation of long terminal repeat promoter transcription and viral replication in certain cell types, acting as a coordinator of mitochrondrial and nuclear transcription for cytochrome oxidase in neurons and assisting in the regulation of rpL32 gene transcription. |
| Gene ID: | 2551 |
| Pathways: | Myometrial Relaxation and Contraction |

## Application Details

| | |
|---|---|
| Application Notes: | WB 1:300-5000<br>IHC-P 1:200-400<br>IHC-F 1:100-500 |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and |

## Handling

| | |
|---|---|
| | 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: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date: | 12 months |