

Datasheet for ABIN1714176
anti-GABPA antibody (AA 51-150)[1 Image](#)[1 Publication](#)[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 un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), 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
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Target Details

Alternative Name:	GABPA/NRF2A (GABPA Products)
Background:	<p>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.</p> <p>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 mitochondrial and nuclear transcription for cytochrome oxidase in neurons and assisting in the regulation of rpl32 gene transcription.</p>
Gene ID:	2551
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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.
Expiry Date:	12 months

Publications

Product cited in:	Chang, Wu, Xu, Liao, Wu, Cheng: "Scopoletin Protects against Methylglyoxal-Induced Hyperglycemia and Insulin Resistance Mediated by Suppression of Advanced Glycation Endproducts (AGEs) Generation and Anti-Glycation." in: Molecules (Basel, Switzerland) , Vol. 20, Issue 2, pp. 2786-801, (2015) (PubMed).
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Images

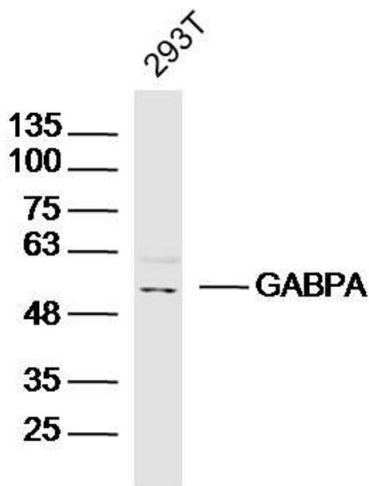


Image 1. 293T lysates probed with GABPA Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.