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GABPB2 Rabbit pAb

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Catalog # AP55111

Product Information

Application	WB
Primary Accession	Q06547
Reactivity	Human
Predicted	Mouse, Rat, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42483
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GABPB2/GABPB1
Epitope Specificity	301-395/395
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Contains 5 ANK repeats.
SUBUNIT	Heterotetramer of two alpha and two beta subunits. Interacts with HCFC1, causing repression of transcriptional activity.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	2553
Other Names	GA-binding protein subunit beta-1, GABP subunit beta-1, GABPB-1, GABP subunit beta-2, GABPB-2, Nuclear respiratory factor 2, Transcription factor E4TF1-47, Transcription factor E4TF1-53, GABPB1, E4TF1B

{ECO:0000303|PubMed:8441384}, GABPB, GABPB2

Dilution WB=1:500-2000

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name GABPB1

Synonyms E4TF1B {ECO:0000303|PubMed:8441384}, GAB

Function Transcription factor capable of interacting with purine rich repeats (GA repeats) (PubMed:10675337, PubMed:8441384, PubMed:8816484). Acts as a master regulator of nuclear-encoded mitochondrial genes (By similarity).

Cellular Location Nucleus

Background

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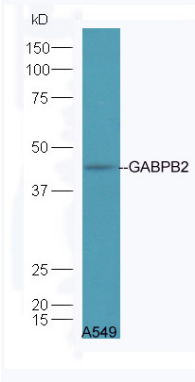
Images



Protein: A549(human) lysates at 30ug;
Primary: rabbit Anti-GABPB2 (AP55111) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(AP55111-HRP) at 1: 5000;
Predicted band size:42 kD
Observed band size:42 kD