



Anti-GABPA (full length) polyclonal antibody (DPAB-DC1213)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes one of three GA-binding protein transcription factor subunits which functions as a DNA-binding subunit. Since this subunit shares identity with a subunit encoding the nuclear respiratory factor 2 gene, it is likely involved in activation of cytochrome oxidase expression and nuclear control of mitochondrial function. This subunit also shares identity with a subunit constituting the transcription factor E4TF1, responsible for expression of the adenovirus E4 gene. Because of its chromosomal localization and ability to form heterodimers with other polypeptides, this gene may play a role in the Down Syndrome phenotype. Two transcript variants encoding the same protein have been found for this gene.
Immunogen	GABPA (AAH35031, 1 a.a. ~ 454 a.a) full-length recombinant protein with GST tag. The sequence is MTKREAEELIEIDGTEKAECTEESIVEQTYAPAECVSQAIDINEPIGNLKKLLEPRLQ CSLDAHEICLQDIQLDPERSLFDQGVKTDGTVQLSVQVISYQGIEPKLNILEIVKPADTV EVVIDPDAHHAESEAHLVVEAQVITLDGTHITTISDETSEQVTRWAAALEGYRKEQERL GIPYDPIQWSTDQVLHVVVWMKEFSMTDIDLTTLNISGRELCSLNQEDFFQRVPRGEIL WSHLELLRKYVLASQEQQMNEIVTIDQPVQIIPASVQSATPTTIKVINSSAKAAKVQRAP RISGEDRSPGNRTGNNGQIQLWQFLLELLTDKDARD CISWVGDEGEFKNQPELVAQKW GQRKNKPTMNYEKL SRALRYYYDGMICKVQGKRFVYKFVCDL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GABPA GA binding protein transcription factor, alpha subunit 60kDa [Homo sapiens (human)]
Official Symbol	GABPA
Synonyms	GABPA; GA binding protein transcription factor, alpha subunit 60kDa; NFT2; NRF2; NRF2A; E4TF1A; E4TF1-60; RCH04A07; GA-binding protein alpha chain; GABP subunit alpha; transcription factor E4TF1-60; nuclear respiratory factor 2 alpha subunit; nuclear respiratory factor 2 subunit alpha; human nuclear respiratory factor-2 subunit alpha; GA binding protein transcription factor alpha subunit 60kDa;
Entrez Gene ID	2551
Protein Refseq	NP_001184226
UniProt ID	A8IE48
Chromosome Location	21q21.3
Pathway	Energy Metabolism; Myometrial Relaxation and Contraction Pathways; Transcriptional activation of mitochondrial biogenesis;
Function	DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA p