Best Tools for immunology Research

GABP-α Monoclonal Antibody

Catalog No :	YM0293
Reactivity :	Human;Mouse
Applications :	WB;IF;ELISA
Target :	GABP-α
Gene Name :	GABPA
Protein Name :	GA-binding protein alpha chain
Human Gene Id :	2551
Human Swiss Prot No :	Q06546
Mouse Gene Id :	14390
Mouse Swiss Prot No :	Q00422
Immunogen :	Purified recombinant fragment of human GABP-α (aa120-190) expressed in E. Coli.
Specificity :	GABP-α Monoclonal Antibody detects endogenous levels of GABP-α protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	51kD

P References :

1. Science. 1998 Feb 13;279(5353):1037-41.
2. J Biol Chem. 1999 Dec 10;274(50):35475-82.
3. EMBO J. 2000 Feb 15;19(4):683-90.

Background :

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. [provided by RefSeq, Oct 2010],

Function :

function:Transcription factor capable of interacting with purine rich repeats (GA repeats). Necessary for the expression of the Adenovirus E4 gene.,similarity:Belongs to the ETS family.,similarity:Contains 1 ETS DNA-binding domain.,similarity:Contains 1 PNT (pointed) domain.,subunit:Heterotetramer of two alpha and two beta subunits.,

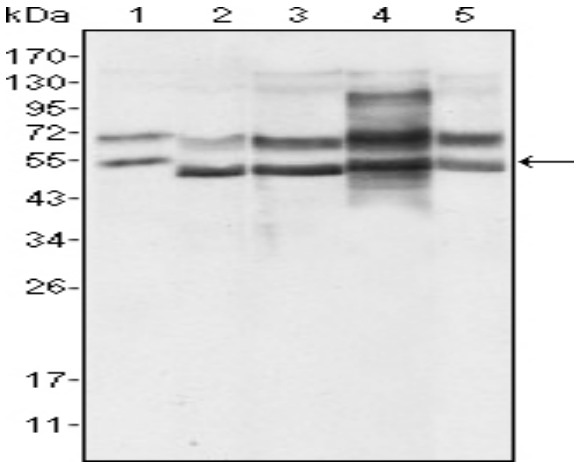
Subcellular Location :

Nucleus.

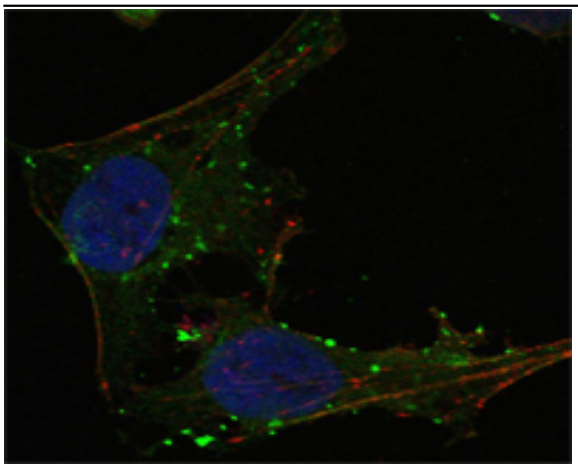
Expression :

Brain,Hepatoma,

Products Images



Western Blot analysis using GABP-α Monoclonal Antibody against HeLa (1), A549 (2), MCF-7 (3), NIH/3T3 (4) and SMMC-7721 (5) cell lysate.



Confocal immunofluorescence analysis of Hela cells using GABP-α Monoclonal Antibody (green). Red: Actin filaments have been labeled using DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.