

## Rabbit Anti-GABPA/AF350 Conjugated antibody

SL13261R-AF350

<b>Product Name</b>	Anti-GABPA/AF350
<b>Chinese Name</b>	AF350 标记的 GABinding protein 转录因子 $\alpha$ /GABP- $\alpha$ 抗体
<b>Alias</b>	E4TF 1A; E4TF1 60; E4TF1A; GA binding protein alpha chain; GA binding protein transcription factor alpha subunit 60kDa; 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.
<b>Research Area</b>	Cell biology Neurobiology transcriptional regulatory factor Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human,Rat(predicted:Mouse,Chicken,Dog,Pig,Cow,Rabbit,Sheep) IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	51kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human GABPA
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks

at 2-4 °C.

**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.

**Function:**

Transcription factor capable of interacting with purine rich repeats (GA repeats). Necessary for the expression of the Adenovirus E4 gene.

**Product Detail**

**Subunit:**

Heterotetramer of two alpha and two beta subunits.

**Subcellular Location:**

Nucleus.

**Similarity:**

Belongs to the ETS family.  
Contains 1 ETS DNA-binding domain.  
Contains 1 PNT (pointed) domain.

**Database links:**

[Entrez Gene: 2551](#) Human

[Entrez Gene: 14390](#) Mouse

[Entrez Gene: 363735](#) Rat

[Entrez Gene: 510204](#) Cow

[Omim: 600609](#) Human

[SwissProt: Q06546](#) Human



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[SwissProt: Q00422](#) Mouse

[Unigene: 473470](#) Human

[Unigene: 18974](#) Mouse

[Unigene: 145253](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.