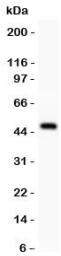
AP2 alpha Antibody (R31541)

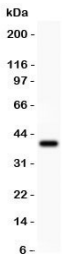
Catalog No.	Formulation	Size
R31541	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	7020
Applications	Western blot: 0.5-1ug/ml
Limitations	This AP2 alpha antibody is available for research use only.



Western blot testing of AP2 alpha antibody and rat spleen lysate. Predicted molecular weight ~47 kDa.



Western blot testing of AP2 alpha antibody and recombinant human protein (0.5ng)

Description

AP2 alpha, or BOFS, is a protein that in humans is encoded by the TFAP2A gene. It is a transcription factor that binds the consensus sequence 5'-GCCNNNGGC-3'. The encoded protein functions as either a homodimer or as a heterodimer with similar family members. This protein activates the transcription of some genes while inhibiting the transcription of others. TFAP2A acts as a sequence-specific DNA-binding transcription factor recognizing and binding to the specific DNA sequence and recruiting transcription machinery. This gene is expressed in neural crest cell lineages with the highest levels of expression corresponding to early neural crest cells, suggesting that TFAP2A plays a role in their differentiation and development.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the AP2 alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 1-166) was used as the immunogen for this AP2 alpha antibody.

Storage

After reconstitution, the AP2 alpha antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.