



## AP2B mouse mAb

Catalog No	BYmab-08694
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	TFAP2B
Protein Name	AP2B
Immunogen	Synthesized peptide derived from human AP2B AA range: 18-68
Specificity	This antibody detects endogenous levels of AP2B at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Nucleus . In the brain, localizes to the arcuate hypothalamic nucleus, the ventromedial hypothalamic nucleus and the accumbens nucleus of the ventral striatum. .
Tissue Specificity	
Function	disease:Defects in TFAP2B are the cause of Char syndrome (CHAR) [MIM:169100]. CHAR is an autosomal dominant disorder characterized by patent ductus arteriosus (PDA), facial dysmorphism and hand anomalies.,function:Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. AP-2 beta appears to be required for normal face and limb development and for proper terminal differentiation and function of renal tubular epithelia.,online

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information:Activatin protein 2 entry,PTM:Sumoylated on Lys-21; which inhibits tran

## Background

This gene encodes a member of the AP-2 family of transcription factors. AP-2 proteins form homo- or hetero-dimers with other AP-2 family members and bind specific DNA sequences. They are thought to stimulate cell proliferation and suppress terminal differentiation of specific cell types during embryonic development. Specific AP-2 family members differ in their expression patterns and binding affinity for different promoters. This protein functions as both a transcriptional activator and repressor. Mutations in this gene result in autosomal dominant Char syndrome, suggesting that this gene functions in the differentiation of neural crest cell derivatives. [provided by RefSeq, Jul 2008],

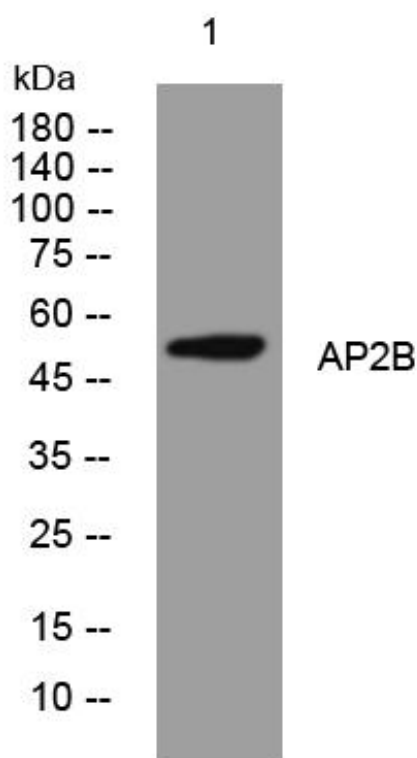
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using AP2B mouse mAb