



# AP-2 $\alpha$ / $\beta$ rabbit pAb

Cat No.:ES1670

For research use only

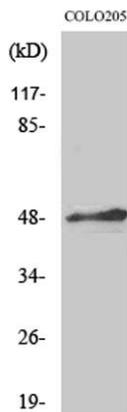
## Overview

<b>Product Name</b>	AP-2 $\alpha$ / $\beta$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human AP-2. AA range:388-437
<b>Specificity</b>	AP-2 $\alpha$ / $\beta$ Polyclonal Antibody detects endogenous levels of AP-2 $\alpha$ / $\beta$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Transcription factor AP-2-alpha/beta
<b>Gene Name</b>	TFAP2A/TFAP2B
<b>Cellular localization</b>	Nucleus .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	49kD
<b>Human Gene ID</b>	7020
<b>Human Swiss-Prot Number</b>	P05549/Q92481
<b>Alternative Names</b>	TFAP2A; AP2TF; TFAP2; Transcription factor AP-2-alpha; AP2-alpha; AP-2 transcription factor; Activating enhancer-binding protein 2-alpha; Activator protein 2; AP-2; TFAP2B; Transcription factor AP-2-beta; AP2-beta; Activating enhancer-bindin
<b>Background</b>	transcription factor AP-2 alpha(TFAP2A) Homo



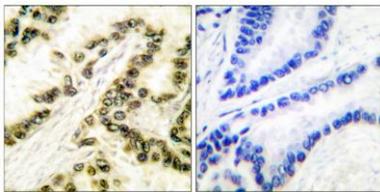


sapiens The protein encoded by this gene is a transcription factor that binds the consensus sequence 5'-GCCNNNGGC-3'. The encoded protein functions as either a homodimer or as a heterodimer with similar family members. This protein activates the transcription of some genes while inhibiting the transcription of others. Defects in this gene are a cause of branchiooculofacial syndrome (BOFS). Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Dec 2009],



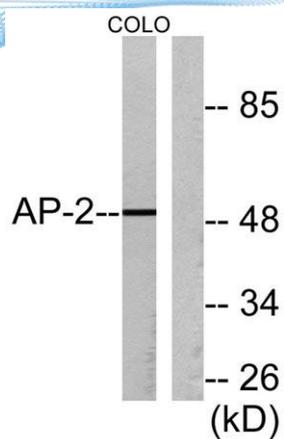
Western Blot analysis of various cells using AP-2 $\alpha/\beta$  Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using AP-2 Antibody. The picture on the right is blocked with the synthesized peptide.





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Western blot analysis of lysates from COLO205 cells, using AP-2 Antibody. The lane on the right is blocked with the synthesized peptide.



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