



Datasheet for ABIN7180429
anti-TFAP2A antibody



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2 Images

Overview

Quantity:	100 µL
Target:	TFAP2A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TFAP2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthesized peptide derived from Human AP-2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	TFAP2A
Alternative Name:	TFAP2A (TFAP2A Products)
Background:	Background: 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

Target Details

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-alpha is the only AP-2 protein required for early morphogenesis of the lens vesicle. Together with the CITED2 coactivator, stimulates the PITX2 P1 promoter transcription activation. Associates with chromatin to the PITX2 P1 promoter region.

ShunJiang Yu, J. Biol. Chem., May 2003, 278: 19597 - 19602.

TT Chen, Mol. Cell. Biol., Jun 1997, 17: 3056 - 3064.

Oscar B. Goodman, J. Biol. Chem., Oct 1995, 270: 23768.

Didier Jean, J. Biol. Chem., Jun 1998, 273: 16501

Aliases: Activating enhancer binding protein 2 alpha antibody, Activating enhancer-binding protein 2-alpha antibody, Activator protein 2 antibody, AP 2 transcription factor antibody, AP 2alpha antibody, AP-2 antibody, AP-2 transcription factor antibody, AP2 antibody, AP2 Transcription Factor antibody, AP2-alpha antibody, AP2A_HUMAN antibody, AP2TF antibody, BOFS antibody, FLJ51761 antibody, TFAP 2 antibody, TFAP 2A antibody, TFAP2 antibody, TFAP2A antibody, Transcription factor AP 2 alpha (activating enhancer binding protein 2 alpha) antibody, Transcription factor AP-2-alpha antibody, Transcription factor AP2 alpha antibody

UniProt: [P05549](#)

Pathways: [Caspase Cascade in Apoptosis](#), [EGFR Signaling Pathway](#), [Response to Water Deprivation](#), [Sensory Perception of Sound](#), [Tube Formation](#), [Embryonic Body Morphogenesis](#), [Brown Fat Cell Differentiation](#), [Lipid Metabolism](#)

Application Details

Application Notes: WB:1:500-1:3000, IHC:1:50-1:100,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

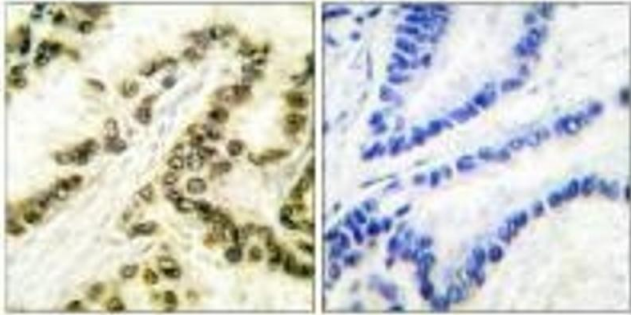
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C,-80 °C

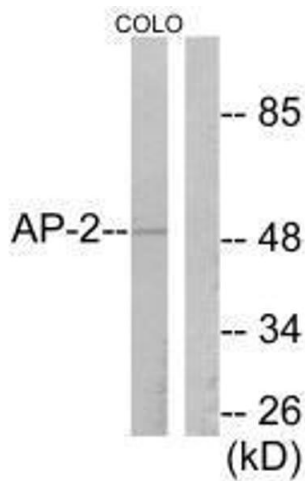
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using AP-2 antibody.



Western Blotting

Image 2. Western blot analysis of extracts from COLO205 cells, using AP-2 antibody.