

KD-Validated Anti-TFAP2A Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1731**Specification****KD-Validated Anti-TFAP2A Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P05549
Reactivity	Rat, Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 48 kDa , observed , 48 kDa KDa
Gene Name	TFAP2A
Aliases	TFAP2A; Transcription Factor AP-2 Alpha; AP-2; AP-2alpha; AP2TF; TFAP2; Transcription Factor AP-2 Alpha (Activating Enhancer Binding Protein 2 Alpha); Activating Enhancer-Binding Protein 2-Alpha; Transcription Factor AP-2-Alpha; AP-2 Transcription Factor; Activator Protein 2; Transcription Factor AP-2 Alpha (Activating Enhancer-Binding Protein 2 Alpha); AP2-Alpha; BOFS
Immunogen	A synthesized peptide derived from human AP2 alpha

KD-Validated Anti-TFAP2A Rabbit Monoclonal Antibody - Additional Information

Gene ID	7020
Other Names	Transcription factor AP-2-alpha, AP2-alpha, AP-2 transcription factor, Activating enhancer-binding protein 2-alpha, Activator protein 2, AP-2, TFAP2A, AP2TF, TFAP2

KD-Validated Anti-TFAP2A Rabbit Monoclonal Antibody - Protein Information**Name** TFAP2A**Synonyms** AP2TF, TFAP2**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-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.

Cellular Location

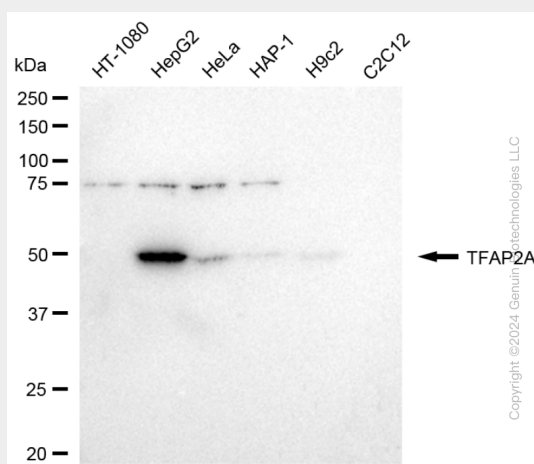
Nucleus.

KD-Validated Anti-TFAP2A Rabbit Monoclonal Antibody - Protocols

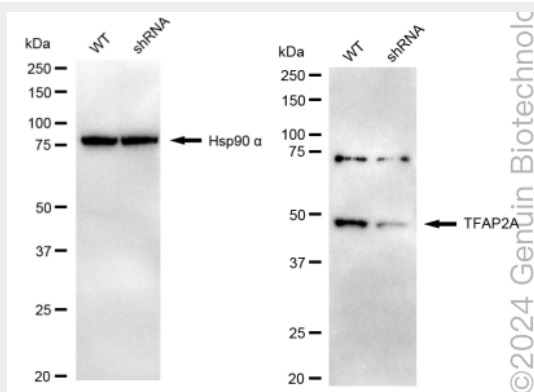
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-TFAP2A Rabbit Monoclonal Antibody - Images

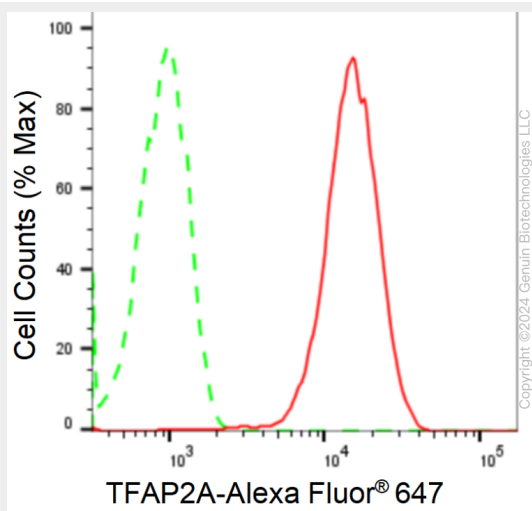


Western blotting analysis using anti-TFAP2A antibody (Cat#AGI1731). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TFAP2A antibody (Cat#AGI1731, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

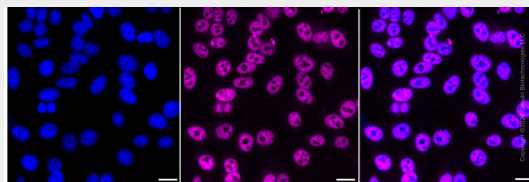


Western blotting analysis using anti-TFAP2A antibody (Cat#AGI1731). TFAP2A expression in wild type (WT) and TFAP2A shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-TFAP2A antibody (Cat#AGI1731,

1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of TFAP2A expression in HepG2 cells using anti-TFAP2A antibody (Cat#AGI1731, 1:2,000). Green, isotype control; red, TFAP2A.



Immunocytochemical staining of HepG2 cells with anti-TFAP2A antibody (Cat#AGI1731, 1:1,000). Nuclei were stained blue with DAPI; TFAP2A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.