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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.

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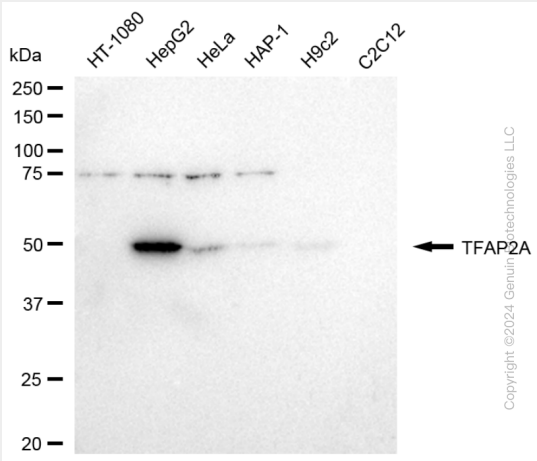
Cellular Location
Nucleus.

KD-Validated Anti-TFAP2A Rabbit Monoclonal Antibody - Protocols

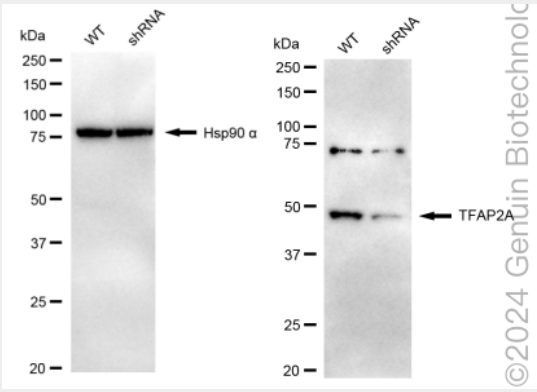
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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,

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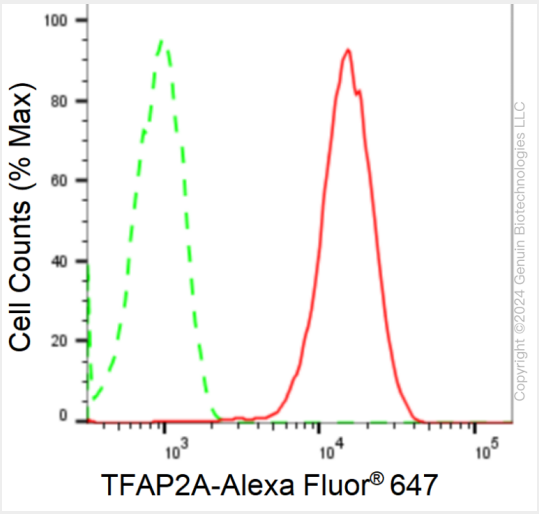
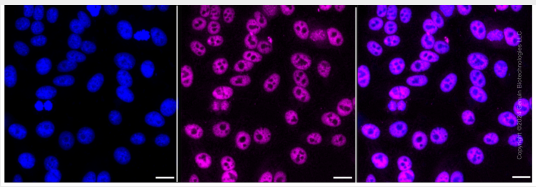
1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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.