

# IHC*easy* TFAP2A Ready-To-Use IHC Kit

Catalog Number: **KHC2162**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human, Mouse, Rat  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Mouse Monoclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Mouse

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

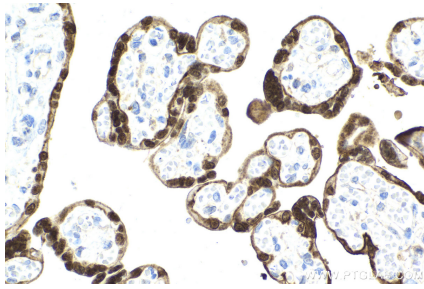
## Background

The activator protein-2 (AP-2) family of transcription factors comprises five 52-kDa isoforms (AP-2 $\alpha$ , AP-2 $\beta$ , AP-2 $\gamma$ , AP-2 $\delta$ , and AP-2 $\epsilon$ ), which share a common structure: a proline/glutamine-rich transactivation domain in the N-terminal region and a helix-span-helix domain in the C-terminal region, which mediates dimerization and site-specific DNA binding. Depending on the cellular context, the AP-2 transcription factors are individually associated either with cell differentiation and development or with cancer progression/regression. TFAP2A (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.

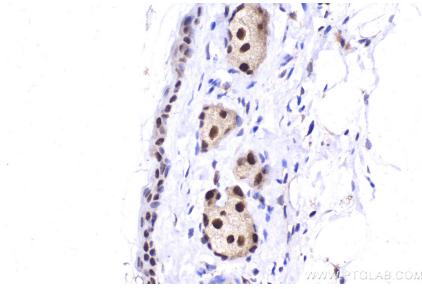
## Synonyms

Activator protein 2, AP 2, AP 2 transcription factor, AP 2alpha, AP2, AP2 alpha, AP2TF, BOFS, FLJ51761, TFAP2, TFAP2A, AP-2

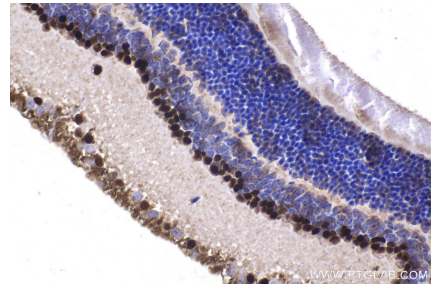
## Selected Validation Data



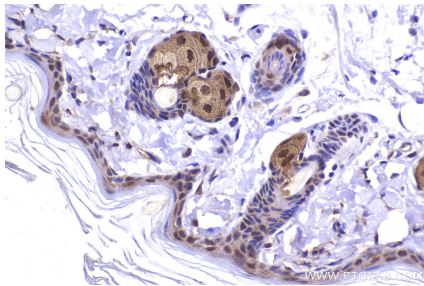
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2162 (TFAP2A IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using KHC2162 (TFAP2A IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using KHC2162 (TFAP2A IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using KHC2162 (TFAP2A IHC Kit).