

# IHC*easy* USP9X Ready-To-Use IHC Kit

Catalog Number: **KHC2770**

## General Information

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

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Rabbit Polyclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Rabbit

## 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

USP9X, also named as DFFRX, FAM and USP9, belongs to the peptidase C19 family. It may function as a ubiquitin-protein or polyubiquitin hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. It plays an important regulatory role at the level of protein turnover by preventing degradation of proteins through the removal of conjugated ubiquitin. USP9X is an essential component of TGF-beta/BMP signaling cascade. Deubiquitination of SMAD4 by USP9X restores its competence to mediate TGF-beta signaling. USP9X regulates chromosome alignment and segregation in mitosis by regulating the localization of BIRC5/survivin to mitotic centromeres.

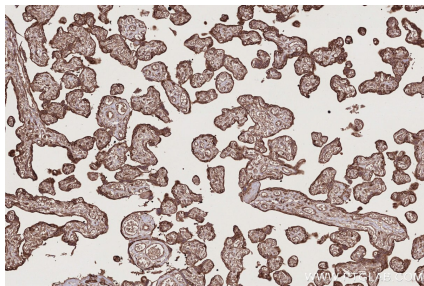
## Synonyms

Deubiquitinating enzyme FAF-X, DFFRX, EC:3.4.19.12, FAF, FAM

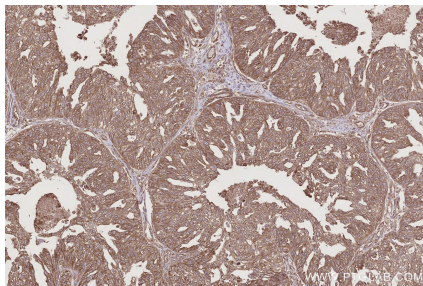
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

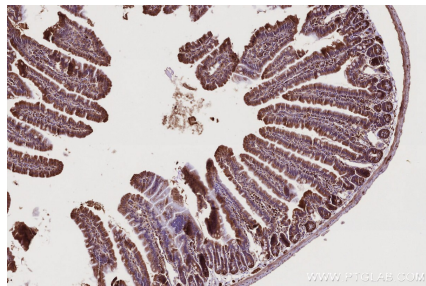
## Selected Validation Data



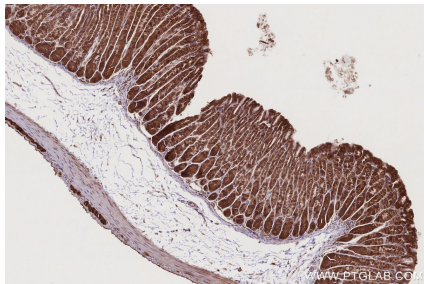
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2770 (USP9X IHC Kit).



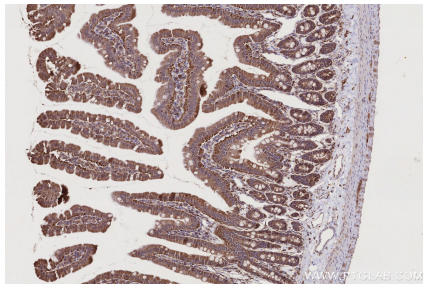
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using KHC2770 (USP9X IHC Kit).



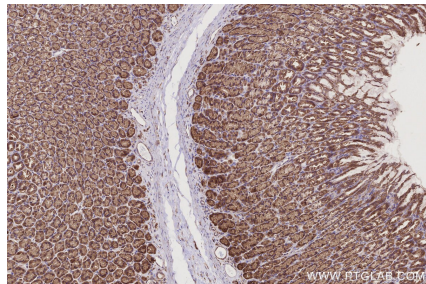
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using KHC2770 (USP9X IHC Kit).



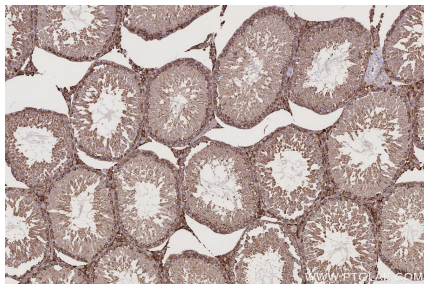
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC2770 (USP9X IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using KHC2770 (USP9X IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC2770 (USP9X IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC2770 (USP9X IHC Kit).