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IHC*easy* PELP1 Ready-To-Use IHC Kit

Catalog Number: KHC1828

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

PELP1 was first identified as a 160 kDa protein in a screen for Src homology 2 (SH2) domain-binding proteins. PELP1 is overexpressed in 60-80% of breast tumors and plays important roles in both ER genomic and non-genomic signaling. In vivo, PELP1 subcellular localization is primarily nuclear in normal breast tissue, but it is localized to the cytoplasm in about 40% of invasive breast tumors. In the nucleus, PELP1 interacts with a number of transcription factors. The proto-oncogenic functions of PELP1 involve different cellular processes including epigenetic modifications leading to ER transactivation and breast cancer progression. Furthermore, PELP1 activates kinase cascades in the cytoplasm such as MAPK activation via c-Src and PI3K signaling.

Synonyms

HMX3, MNAR, P160, PELP1, Transcription factor HMX3

For technical support and original validation data for this product please contact:
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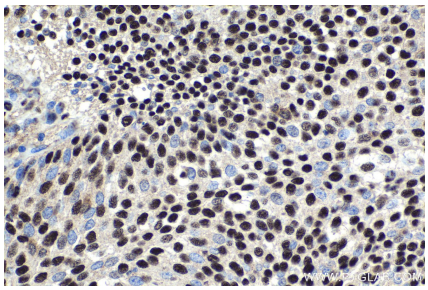
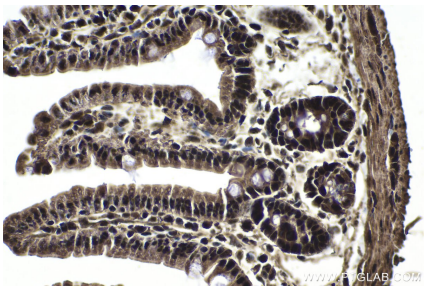
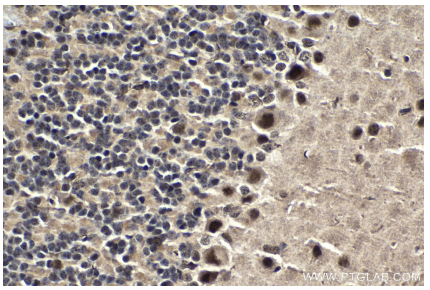
Selected Validation Data



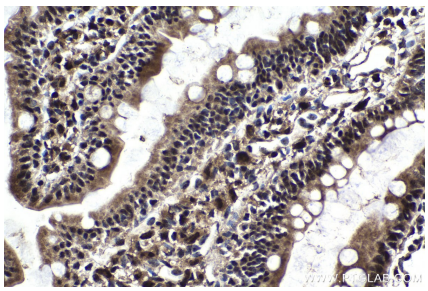
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using KHC1828 (PELP1 IHC Kit).



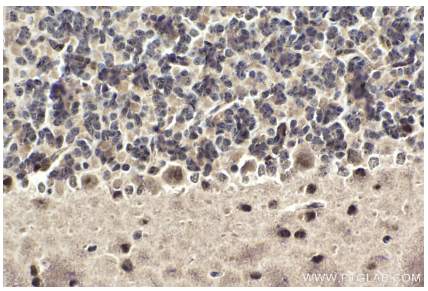
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using KHC1828 (PELP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using KHC1828 (PELP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using KHC1828 (PELP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using KHC1828 (PELP1 IHC Kit).