

IHC*easy* WDR5 Ready-To-Use IHC Kit

Catalog Number: **KHC1643**

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.

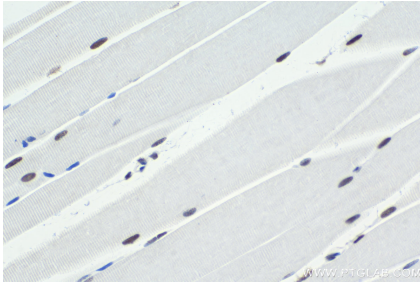
Background

The WDR5 antibody targets the WD repeat protein domain 5 (WDR5), a member of the WD40 repeat protein family in humans. The WDR5 protein is a core member of the mammalian trithorax complex and, like the rest of the WD40 repeat protein family, is primarily involved in diverse cellular processes. WDR5 is identified as a methyl Lys-4 H3-specific-binding protein, however it is known to interact with the Mixed Lineage Leukemia (MLL) protein at the same site for histone H3 trimethylation. Recently, the WDR5 protein has been shown to regulate embryonic stem cell self-renewal, and an increased expression of WDR5 has been found to efficiently induce the formation of pluripotent stem cells. WDR5 is also shown to accelerate osteoblast and chondrocyte differentiation.

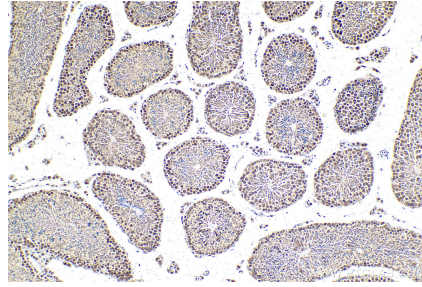
Synonyms

BIG 3, BIG3, BMP2 induced 3 kb gene protein, SWD3, WD repeat containing protein 5, WD repeat domain 5, WDR5

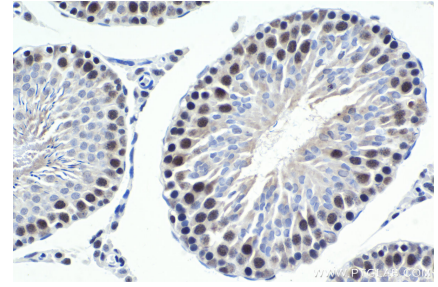
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using KHC1643 (WDR5 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC1643 (WDR5 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC1643 (WDR5 IHC Kit).