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IHC*easy* CTNNA1 Ready-To-Use IHC Kit

Catalog Number: KHC0260

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

Alpha catenin is an essential component of adherens junctions that connects E-cadherin-β-catenin complexes with the actin cytoskeleton. It also recruits a range of other important proteins to developing intercellular junctions. Three alpha catenins exist in human: alpha-E-catenin, alpha-N-catenin, and alpha-T-catenin, which share substantial amino-acid sequence similarity but have distinct tissue distribution. alpha-E-catenin is ubiquitously expressed, alpha-N-catenin is restricted to neuronal tissue, and alpha-T-catenin is primarily expressed in heart tissue. Reduced levels of alpha-E-catenin protein seem to be characteristic of many different human cancers, including malignant tumours of the breast, colon, stomach, oesophagus, bladder and liver. In addition, the loss of alpha-E-catenin often correlates with the degree of tumour differentiation and metastasis.

Synonyms

Alpha E catenin, Alpha E-Catenin, Cadherin associated protein, CAP102, Catenin alpha 1, CTNNA1

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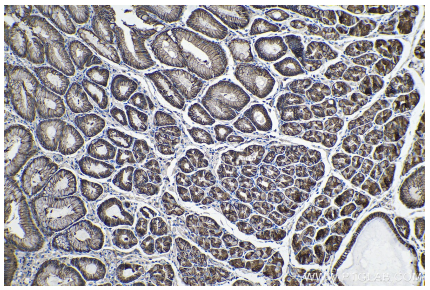
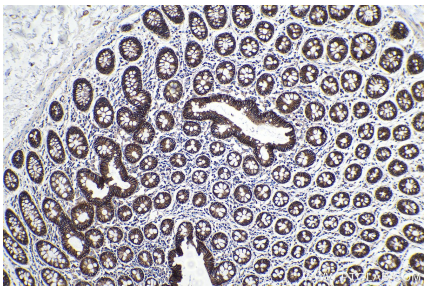
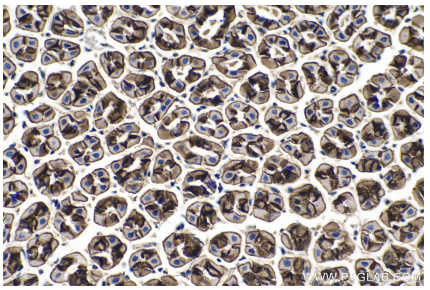
Selected Validation Data



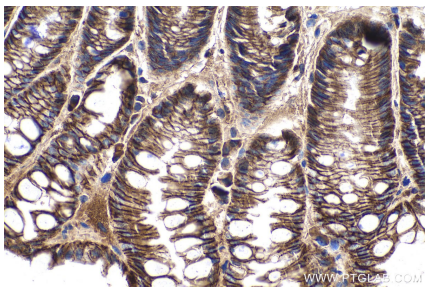
Immunohistochemical analysis of paraffin-embedded human stomach cancer(NAT) tissue slide using KHC0260 (CTNNA1 IHC Kit).



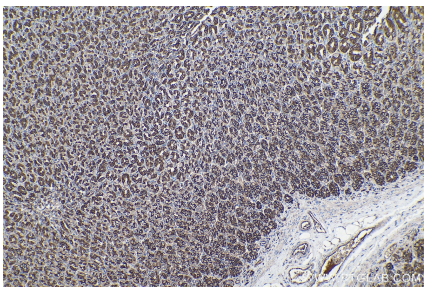
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using KHC0260 (CTNNA1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC0260 (CTNNA1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC0260 (CTNNA1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC0260 (CTNNA1 IHC Kit).