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For Research Use Only

IHC*easy*® AP3B1 Ready-To-Use IHC Kit

Catalog Number: KHC3134

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human

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

AP3B1 is the 140-kDa β3A subunit of the adaptor-related protein complex-3 (AP-3), a ubiquitous heterotetrameric complex that is localized to the trans-Golgi network and endosomes and is involved in protein trafficking to lysosomes or specialized endosomal-lysosomal organelles. This complex is composed of two larger subunits (δ and β3A or β3B), a medium subunit (μ3A or μ3B), and a small subunit (σ3A or σ3B). The absence of the β3A subunit (AP3B1) results in the loss of stability of AP3 and leads to degradation of μ3A, to which β3A is directly bound, while the other subunits are variably affected. AP3B1 contains three main domains: the N-terminal head domain, the hinge, and the C-terminal ear domain. It has been reported as a target of IP(7)-mediated pyrophosphorylation. Defects in AP3B1 are the cause of Hermansky-Pudlak syndrome type 2 (HPS2).

Synonyms

Adaptor protein complex AP-3 subunit beta-1, Adaptor-related protein complex 3 subunit beta-1, ADTB3, ADTB3A, AP 3 complex subunit beta 1

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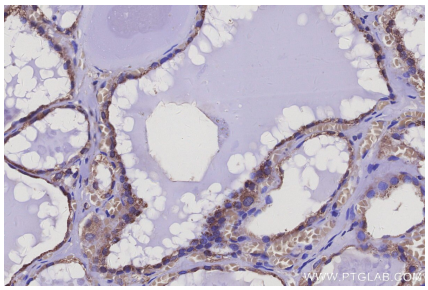
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC3134 (AP3B1 IHC Kit).