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For Research Use Only

IHC*easy* DOCK3 Ready-To-Use IHC Kit

Catalog Number: KHC2663

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

Dedicator of cytokinesis 3 (DOCK3), also named as MOCA and PBP , is a ~180 kDa protein involved in signaling trasduction. It is a potential guanine nucleotide exchange factor (GEF) which activate some small GTPases by exchanging bound GDP for free GTP. DOCK3 is associated in Alzheimer disease tangles and regulates the accumulation of amyloid precursor protein and beta-amyloid. Overexpression of Dock3 in neural cells promotes axonal outgrowth downstream of brain-derived neurotrophic factor (BDNF) signaling. DOCK3 binds to and inactivates glycogen synthase kinase-3 β (GSK-3 β) at the plasma membrane, thereby promoteing axon branching and microtubule assembly. By stimulating actin polymerization and microtubule assembly, DOCK3 plays important roles downstream of BDNF signaling in the CNS.

Synonyms

DOCK3,DOCK3; MOCA,MOCA,dedicator of cytokinesis 3,

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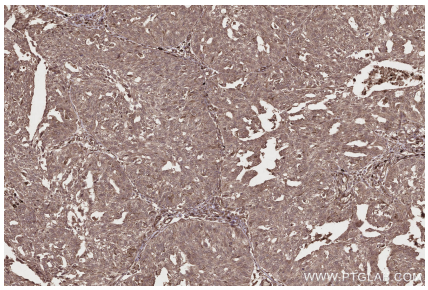
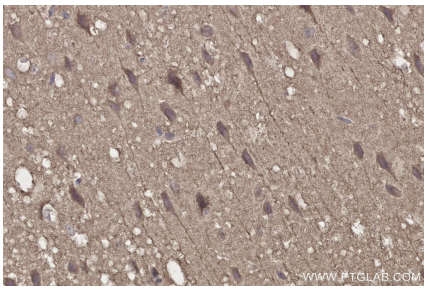
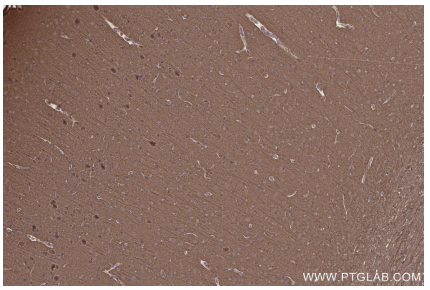
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using KHC2663 (DOCK3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC2663 (DOCK3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC2663 (DOCK3 IHC Kit).