

IHCeasy[®] NDRG4 Ready-To-Use IHC Kit

Catalog Number: **KHC3037**

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.

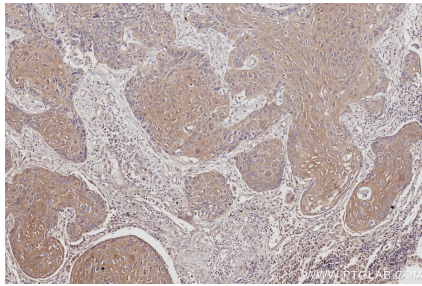
Background

NDRG4 (N-myc downstream-regulated gene 4) is a member of the NDRG family (NDRG1-4), a group of evolutionarily conserved proteins implicated in cell differentiation, stress responses, and tumor suppression. Unlike other family members (e.g., NDRG1 linked to cancer metastasis), NDRG4 is highly expressed in the brain and heart, with emerging roles in neuronal development and cardiovascular function. Methylation of NDRG4 in stool DNA is a diagnostic marker for colorectal cancer.

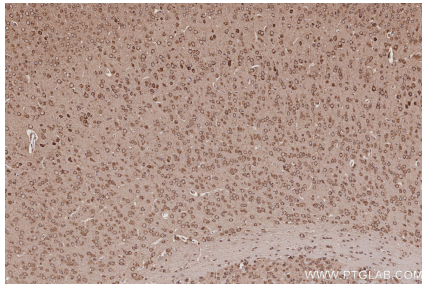
Synonyms

BDM1, Brain development-related molecule 1, NDRG family member 4, N-myc downstream-regulated gene 4 protein, Protein NDRG4

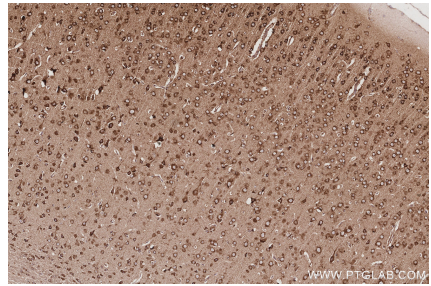
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC3037 (NDRG4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC3037 (NDRG4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC3037 (NDRG4 IHC Kit).