

IHCeasy[®] ID1 Ready-To-Use IHC Kit

Catalog Number: **KHC0627**

General Information

Sample type: FFPE tissue	Assay type: Immunohistochemistry
Cited sample type:	Primary antibody type: Mouse Monoclonal
Reactivity: Human	Secondary antibody type: Polymer-HRP-Goat anti-Mouse
Cited Reactivity:	

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.

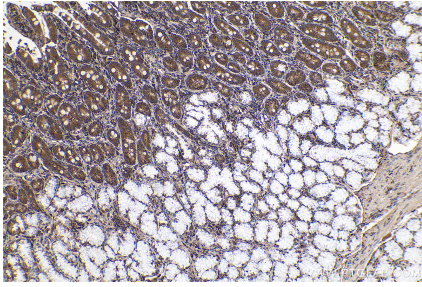
Background

ID (inhibitor of DNA binding) proteins contain a helix-loop-helix (HLH) motif and regulate tissue-specific transcription within several cell lineages. They do not bind DNA directly, but inhibit lineage commitment by binding basic helix-loop-helix (bHLH) transcription factors through their HLH motif. ID1 proteins lack a basic DNA-binding domain but are able to form heterodimers with other HLH proteins, thereby inhibiting DNA binding. ID proteins contribute to cell growth, senescence, differentiation, and angiogenesis. Inhibitor of differentiation or DNA binding-1 (ID1) interacts with the transactivation domain of p65 (p65TAD) both in vitro and in vivo.

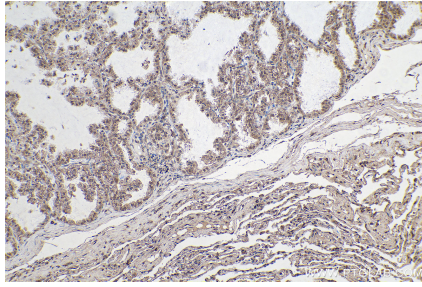
Synonyms

bHLHb24, ID, ID1, Inhibitor of DNA binding 1

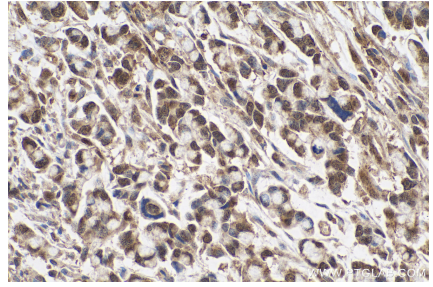
Selected Validation Data



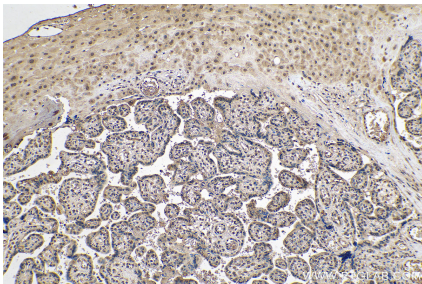
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0627 (ID1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0627 (ID1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0627 (ID1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC0627 (ID1 IHC Kit).