proteintech®
Antibodies | ELISA kits | Proteins

For Research Use Only

IHC*easy*® NOTCH1 Ready-To-Use IHC Kit

Catalog Number: KHC1061

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse

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

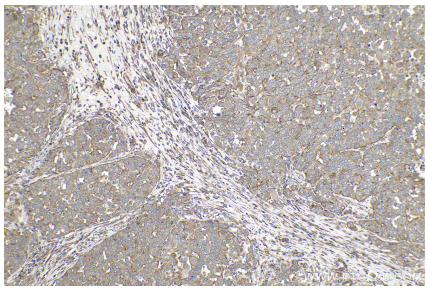
NOTCH1, also named as TAN1, belongs to the NOTCH family. NOTCH1 functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBP-J kappa and activates genes of the enhancer of split locus. NOTCH1 affects the implementation of differentiation, proliferation and apoptotic programs. It may be important for normal lymphocyte function. In altered form, may contribute to transformation or progression in some T-cell neoplasms. NOTCH1 is involved in the maturation of both CD4+ and CD8+ cells in the thymus. May be important for follicular differentiation and possibly cell fate selection within the follicle. During cerebellar development, may function as a receptor for neuronal DNER and may be involved in the differentiation of Bergmann glia. Defects in NOTCH1 are a cause of bicuspid aortic valve (BAV).

Synonyms

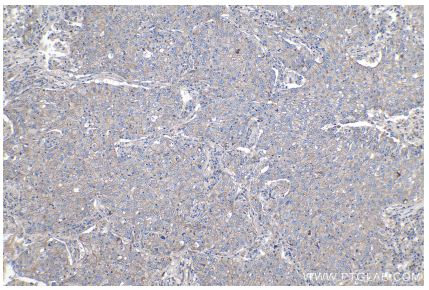
9930111A19Rik, lin 12, Mis6, Notch1, Tan1

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

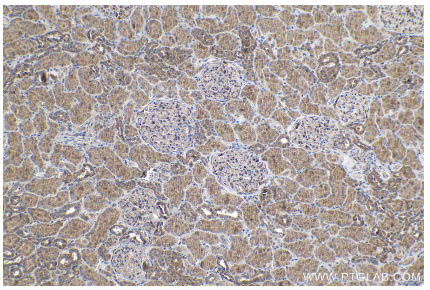
Selected Validation Data



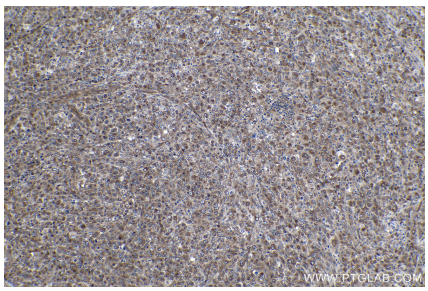
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC1061 (NOTCH1 IHC Kit).



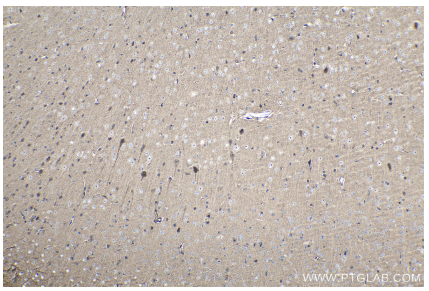
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC1061 (NOTCH1 IHC Kit).



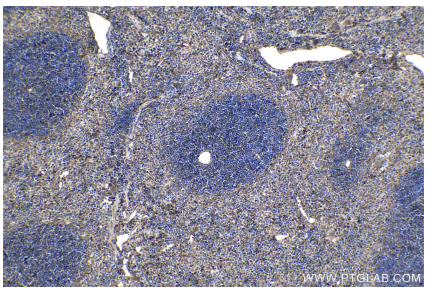
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC1061 (NOTCH1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using KHC1061 (NOTCH1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC1061 (NOTCH1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using KHC1061 (NOTCH1 IHC Kit).