

IHCeasy[®] STT3A Ready-To-Use IHC Kit

Catalog Number: **KHC3213**

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Mouse Monoclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

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.

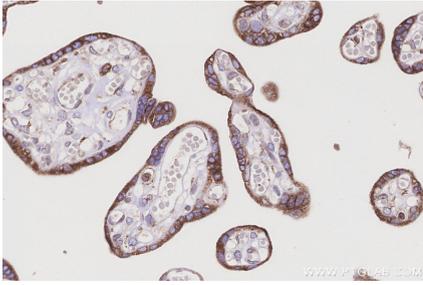
Background

STT3A, also named as Integral membrane protein 1, belongs to the STT3 family. STT3A is expressed at high levels in placenta, liver, muscle and pancreas, and at very low levels in brain, lung and kidney. STT3A is a catalytic subunit of the N-oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains. STT3A is present in the majority of OST complexes and mediates cotranslational N-glycosylation of most sites on target proteins, while STT3B-containing complexes are required for efficient post-translational glycosylation and mediate glycosylation of sites that have been skipped by STT3A.

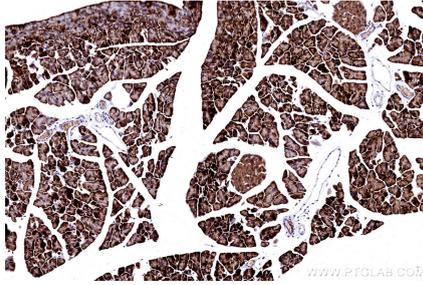
Synonyms

B5, Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A, EC:2.4.99.18, Integral membrane protein 1, ITM1

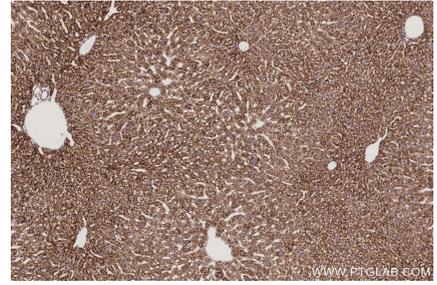
Selected Validation Data



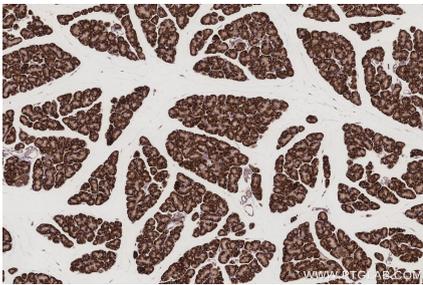
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC3213 (STT3A IHC Kit).



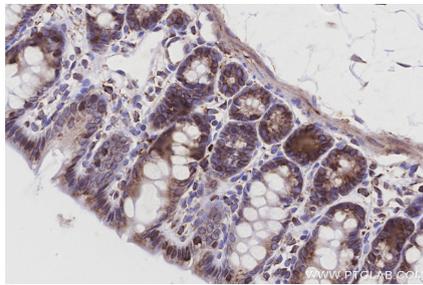
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using KHC3213 (STT3A IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC3213 (STT3A IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using KHC3213 (STT3A IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC3213 (STT3A IHC Kit).