# IHC*easy* HSD17B10 Ready-To-Use IHC Kit

## Catalog Number: KHC0543

## General Information

**Sample type:**
FFPE tissue

**Cited sample type:**

**Reactivity:**
Human

**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

HSD17B10 (3-hydroxyacyl-CoA dehydrogenase type-2) is a multifunctional mitochondrial enzyme that acts on a wide spectrum of substrates, including neuroactive steroids, alcohols, leucine, and fatty acids, with a preference for short-chain methyl-branched acyl-CoAs. It has 2 isoforms produced by alternative splicing.Defects in HSD17B10 are the cause of 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency (MHBD deficiency) and mental retardation syndromic X-linked type 10 (MRXS10).
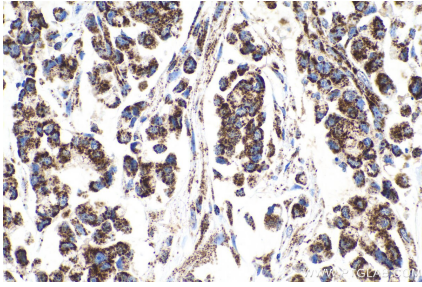
## Synonyms

17 beta HSD 10, 17b HSD10, ABAD, CAMR, DUPXp11.22, ERAB, HADH2, HCD2, HSD17B10, MHBD, MRPP2, MRX17, MRX31, MRXS10, SCHAD, SDR5C1, Type II HADH, XH98G2
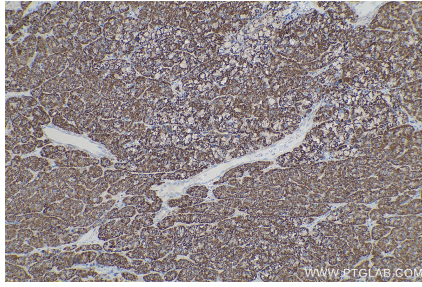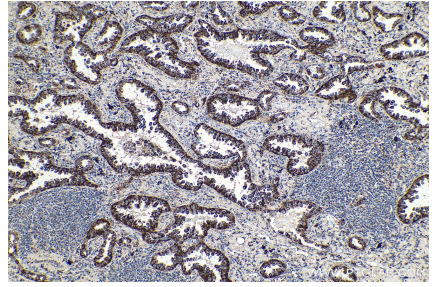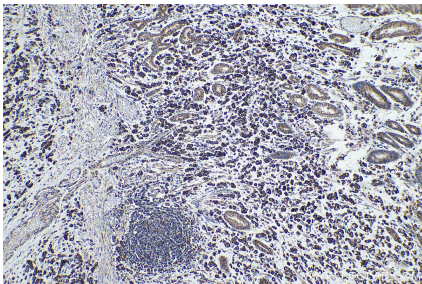
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0543 (HSD17B10 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0543 (HSD17B10 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0543 (HSD17B10 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0543 (HSD17B10 IHC Kit).