

# CPTC-APOB-1(CAB080297)

**Uniprot ID:** P04114

**Protein name:** APOB\_HUMAN

**Full name:** Apolipoprotein B-100

**Function:** Apolipoprotein B is a major protein constituent of chylomicrons (apo B-48), LDL (apo B-100) and VLDL (apo B-100). Apo B-100 functions as a recognition signal for the cellular binding and internalization of LDL particles by the apoB/E receptor.

**Subcellular location:**

Cytoplasm (*experimental evidence*)

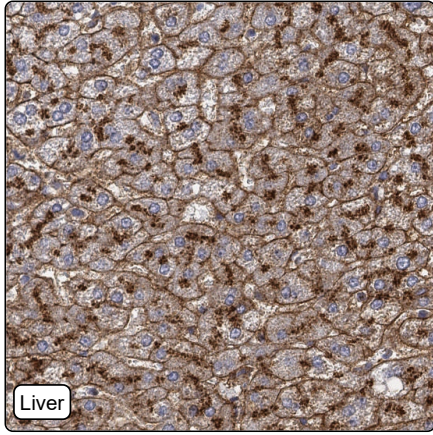
Secreted (*experimental evidence*)

Lipid droplet (*experimental evidence*)

**Protein existence:** Experimental evidence at protein level

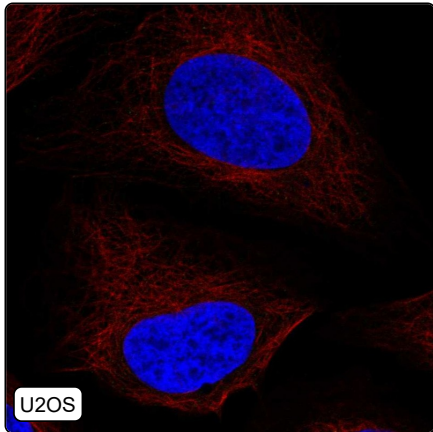
**Comment:**

## Immunohistochemistry



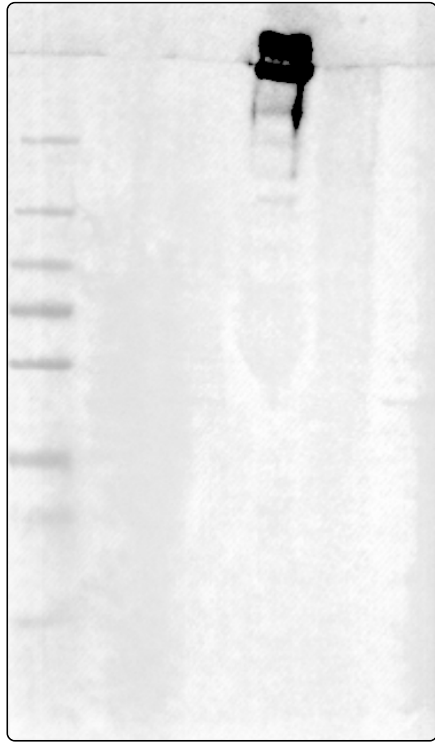
<b>IHC protocol:</b>	HIER pH6, Dilution 1:600
<b>IHC test staining:</b>	Cytoplasmic positivity in liver, intestines and squamous epithelial cells. Strong positivity in plasma.
<b>Literature conformance:</b>	Consistent with extensive gene/protein characterization data
<b>Literature significance:</b>	
<b>RNA similarity:</b>	No tissue staining or RNA expression data available for comparison
<b>RNA tissue specificity:</b>	Group enriched (intestine,liver)
<b>RNA tissue distribution:</b>	Detected in some
<b>IHC Sibling similarity:</b>	Other antibody shows similar IHC staining pattern

## Immunofluorescence



<b>IF Overlay:</b>	antibody (green), anti-tubulin (red) and DAPI (blue)
<b>IF main location:</b>	
<b>IF additional location:</b>	
<b>IF approved for publication on HPA:</b>	No
<b>IF in THP-1:</b>	Negative
<b>IF in U2OS:</b>	Negative

# Western blot



<b>WB Size markers (kDa):</b>	250, 130, 100, 70, 55, 35, 25, 15, 10
<b>WB Lanes:</b>	Marker (1), RT-4 (2), U-251MG (3), Plasma (4), Liver (5), Tonsil (6)
<b>WB Target weight (kDa):</b>	93, 516
<b>WB Validation:</b>	Uncertain (Only bands not corresponding to the predicted size.)