

CPTC-APOB-2 (CAB080298)

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*)

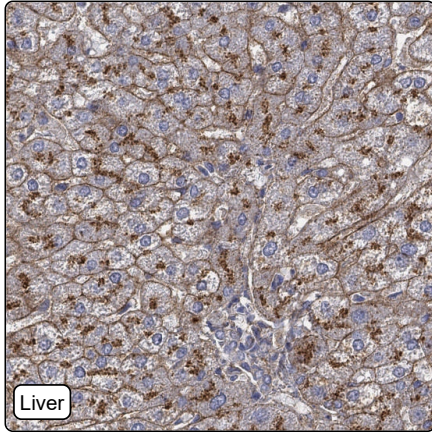
Secreted (*experimental evidence*)

Lipid droplet (*experimental evidence*)

Protein existence: Experimental evidence at protein level

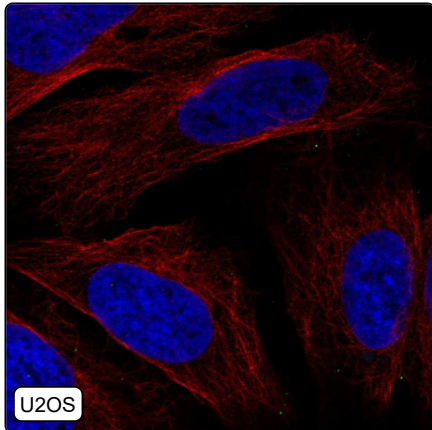
Comment:

Immunohistochemistry



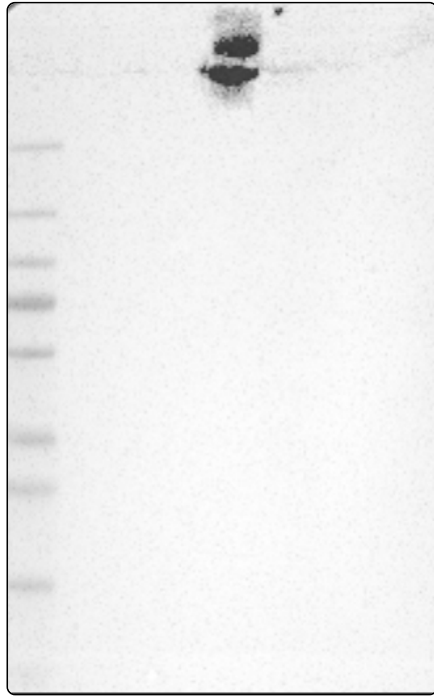
IHC protocol:	HIER pH6, Dilution 1:600
IHC test staining:	Cytoplasmic positivity in liver, intestines and squamous epithelial cells. Strong positivity in plasma.
Literature conformance:	Consistent with extensive gene/protein characterization data
Literature significance:	
RNA similarity:	No tissue staining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

Immunofluorescence



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

Western blot



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