

# CPTC-CRABP2-1 (CAB080184)

Uniprot ID: [P29373](#)

Protein name: RABP2\_HUMAN

Full name: Cellular retinoic acid-binding protein 2

Function: Transports retinoic acid to the nucleus. Regulates the access of retinoic acid to the nuclear retinoic acid receptors.

Subcellular location:

Cytoplasm

Endoplasmic reticulum

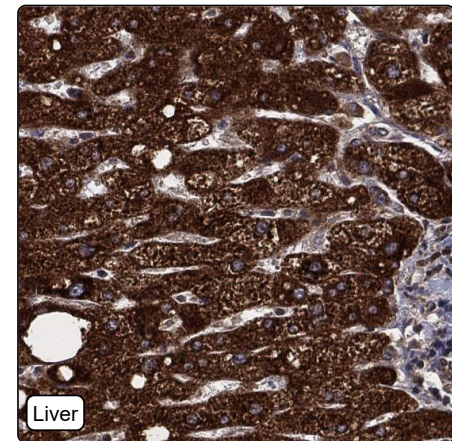
Nucleus

NOTE: Upon ligand binding, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus.

Protein existence: Experimental evidence at protein level

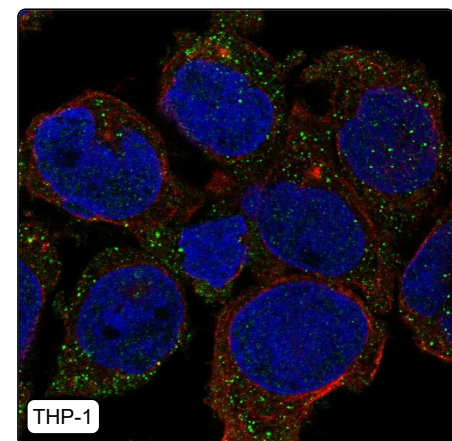
Comment:

## Immunohistochemistry



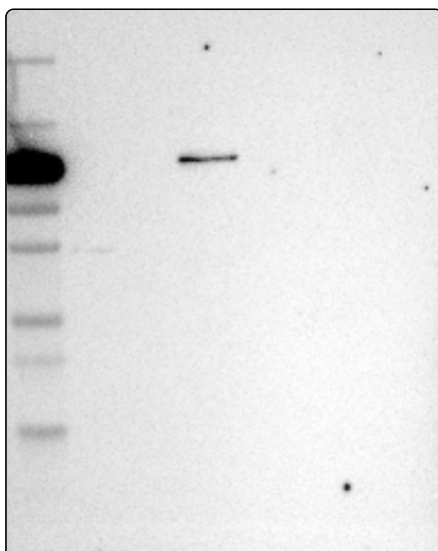
IHC protocol:	HIER pH6, Dilution 1:900
IHC test staining:	Granular cytoplasmic positivity in most tissues.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Very low consistency between antibody staining and RNA expression data
RNA tissue specificity:	Tissue enhanced (esophagus,vagina)
RNA tissue distribution:	Detected in all
IHC Sibling similarity:	Other antibody shows dissimilar IHC staining pattern
IHC fail comment:	ANTIBODY FAILED: Not consistent with RNA

## Immunofluorescence



IF Overlay:	antibody (green), anti-tubulin (red) and DAPI (blue)
IF main location:	Vesicles - 5: <b>Approved</b> (auto)
IF additional location:	
IF approved for publication on HPA:	No
IF in THP-1:	Vesicles
IF in U-2 OS:	Vesicles

# Western blot



<b>WB Size markers (kDa):</b>	250, 130, 100, 70, 55, 35, 25, 15, 10
<b>WB Lanes:</b>	Marker (1), RT4 (2), U-251 MG (3), Plasma (4), Liver (5), Tonsil (6)
<b>WB Target weight (kDa):</b>	9, 16, 16, 16
<b>WB Validation:</b>	Uncertain (Only bands not corresponding to the predicted size.)