

# CPTC-ACT Group-1 (CAB079966)

Uniprot ID: [P62736](#)

Protein name: ACTA\_HUMAN

Full name: Actin, aortic smooth muscle

Function: Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

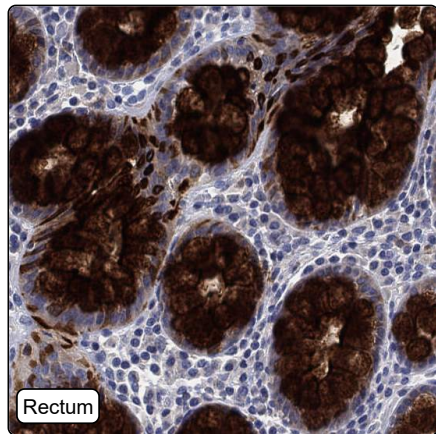
Subcellular location:

Cytoplasm > Cytoskeleton

Protein existence: Experimental evidence at protein level

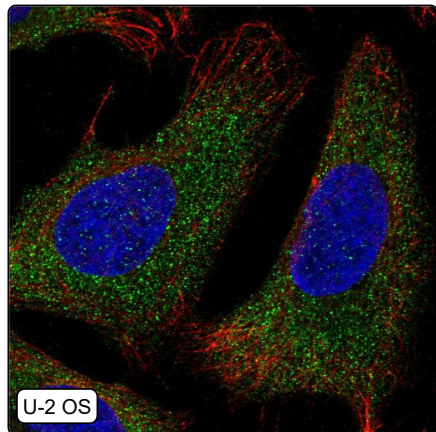
Comment:

## Immunohistochemistry



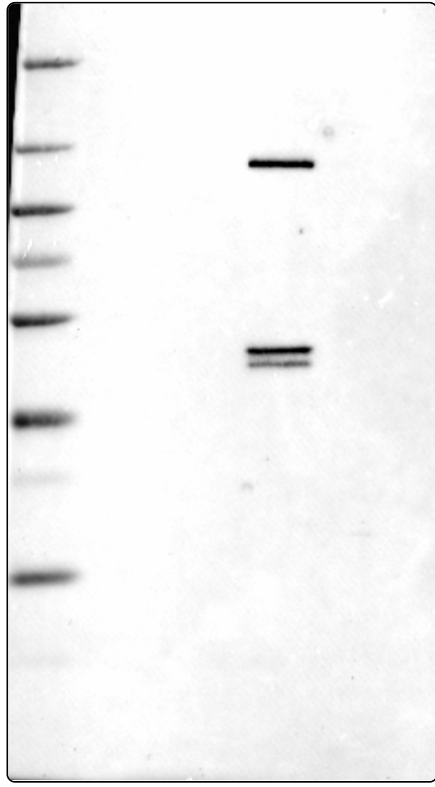
IHC protocol:	HIER pH6, Dilution 1:400
IHC test staining:	Strong cytoplasmic positivity was observed in gastrointestinal tract. Additional positivity in neuropil.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	Limited
RNA consistency:	Not consistent with RNA expression data
IHC Sibling similarity:	Other antibody shows dissimilar IHC staining pattern
IHC fail comment:	ANTIBODY FAILED: Improbable histological location,Not consistent with RNA

## Immunofluorescence



IF Overlay:	antibody (green), anti-tubuline (red) and DAPI (blue)
IF main location:	Cytosol - 12: <b>Uncertain</b> (auto)
IF additional location:	
IF Antibody score:	Failed IF
IF in A549:	Negative
IF in Hep G2:	Negative
IF in U-2 OS:	Cytosol

# 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>	17, 17, 42
<b>WB Validation:</b>	Uncertain (Only bands not corresponding to the predicted size.)