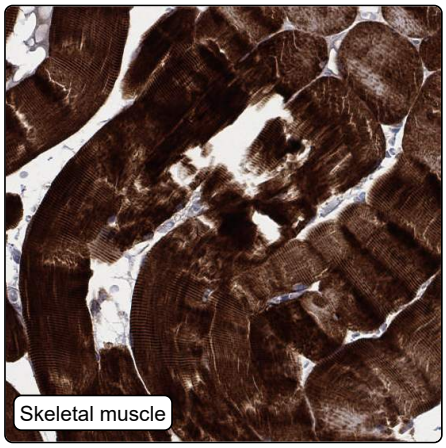
CPTC-RRM2-1 (CAB080258)

Uniprot ID: P31350
Protein name: RIR2_HUMAN
Full name: Ribonucleoside-diphosphate reductase subunit M2
Function: Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. Inhibits Wnt signaling.
Subcellular location:
Cytoplasm (*experimental evidence*)
Nucleus (*experimental evidence*)
NOTE: Localized to the cytoplasm in S phase cells. May localize to the nucleus in G2 phase cells.
Protein existence: Experimental evidence at protein level

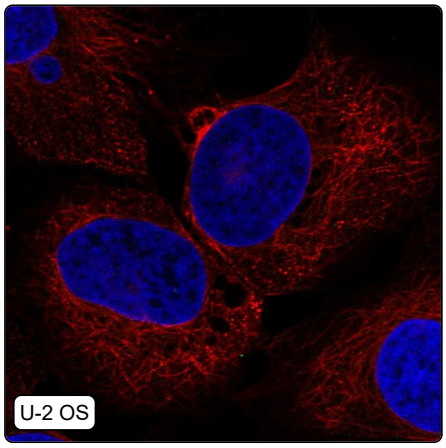
Comment:

Immunohistochemistry



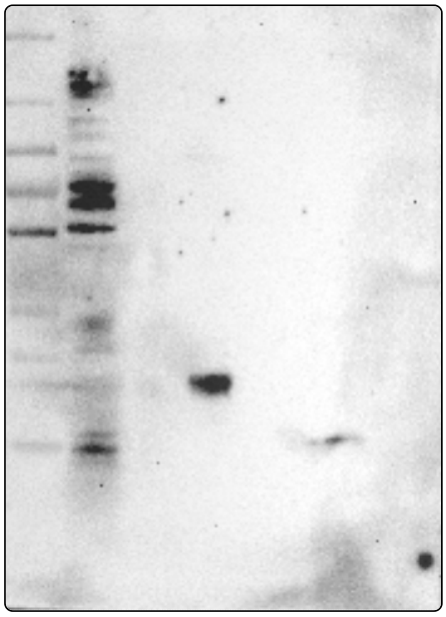
IHC protocol:	HIER pH6, Dilution 1:800
IHC test staining:	Cytoplasmic positivity in skeletal and smooth muscle.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Very low consistency between antibody staining and RNA expression data
RNA tissue specificity:	Group enriched (bone marrow,esophagus,intestine,lymphoid tissue)
RNA tissue distribution:	Detected in many
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:	
IF additional location:	
IF approved for publication on HPA:	No
IF in THP-1:	Negative
IF in U-2 OS:	Negative

Western blot



WB Size markers (kDa):	250, 130, 100, 70, 55, 35, 25, 15, 10
WB Lanes:	Marker (1), RT4 (2), U-251 MG (3), Plasma (4), Liver (5), Tonsil (6)
WB Target weight (kDa):	40, 45, 45, 51
WB Validation:	Supported (Band of predicted size in kDa (+/-20%) with additional bands present.)