

# CPTC-ARAF-4 (CAB080050)

Uniprot ID: [P10398](#)

Protein name: ARAF\_HUMAN

Full name: Serine/threonine-protein kinase A-Raf

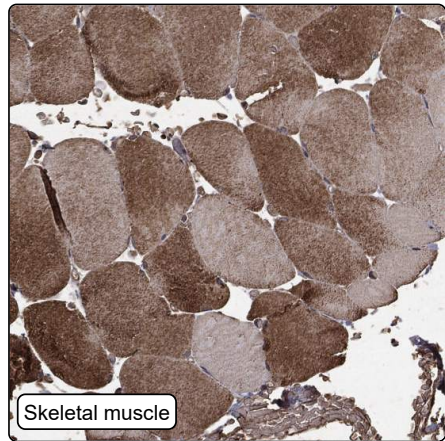
Tissue specificity: Predominantly in urogenital tissues.

Function: Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May also regulate the TOR signaling cascade. [Isoform 2]: Serves as a positive regulator of myogenic differentiation by inducing cell cycle arrest, the expression of myogenin and other muscle-specific proteins, and myotube formation.

Protein existence: Experimental evidence at protein level

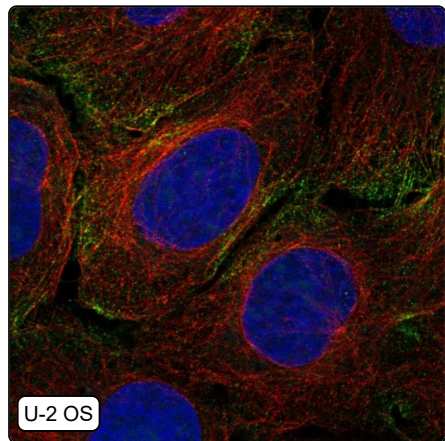
Comment:

## Immunohistochemistry



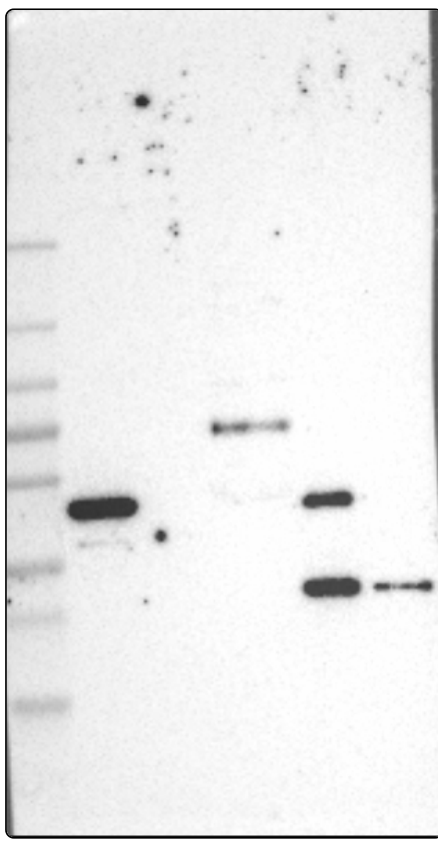
IHC protocol:	HIER pH6, Dilution 1:225
IHC test staining:	Cytoplasmic positivity in all tissues.
Literature conformance:	Partly consistent with extensive gene/protein characterization data
Literature significance:	
RNA similarity:	Medium consistency between antibody staining and RNA expression data
RNA tissue specificity:	Low tissue specificity
RNA tissue distribution:	Detected in all
IHC Sibling similarity:	Other antibody shows partly similar IHC staining pattern

## Immunofluorescence



IF Overlay:	antibody (green), anti-tubulin (red) and DAPI (blue)
IF main location:	Plasma membrane - 2 [7]: <b>Supportive</b> (auto)
IF additional location:	
IF approved for publication on HPA:	Yes
IF in SiHa:	Negative
IF in U-2 OS:	Plasma membrane

# 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>	21, 68
<b>WB Validation:</b>	Uncertain (Weak band of predicted size but with additional bands of higher intensity also present.)