

CPTC-ARAF-3 (CAB080051)

Uniprot ID: [P10398](#)

Protein name: ARAF_HUMAN

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

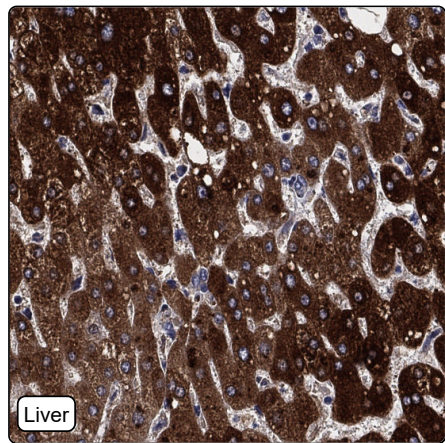
Tissue specificity: Predominantly in urogenital tissues.

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

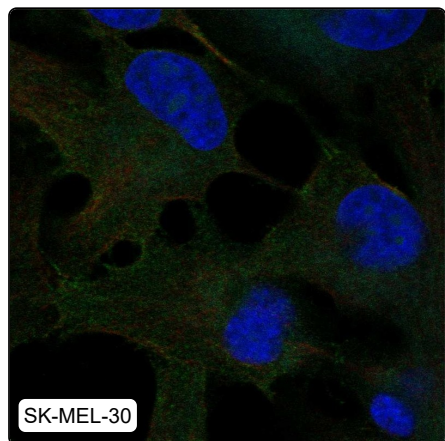
Comment:

Immunohistochemistry



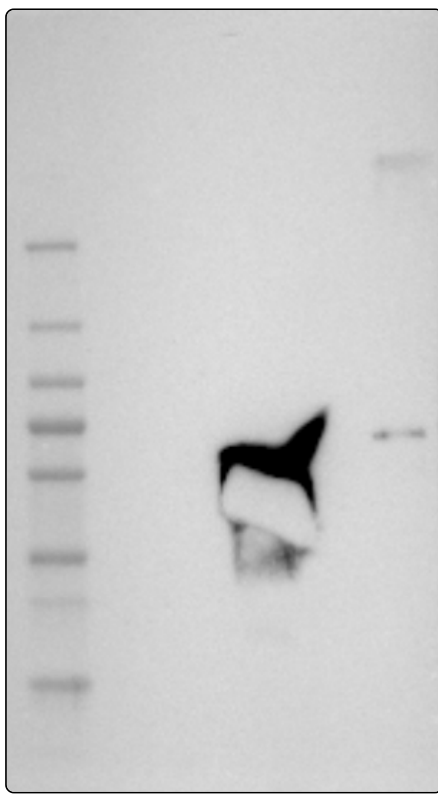
IHC protocol:	HIER pH6, Dilution 1:400
IHC test staining:	Cytoplasmic positivity in several tissues with varaying intensity.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Low consistency between antibody staining and RNA expression 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]: Supportive (auto)
IF additional location:	
IF approved for publication on HPA:	Yes
IF in SiHa:	Negative
IF in SK-MEL-30:	Plasma membrane
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):	21, 68
WB Validation:	Supported (Single band corresponding to the predicted size in kDa (+/-20%.))