

CPTC-HSPB1-6 (CAB080336)

Uniprot ID: [O75506](#)

Protein name: HSBP1_HUMAN

Full name: Heat shock factor-binding protein 1

Function: Negative regulator of the heat shock response. Negatively affects HSF1 DNA-binding activity. May have a role in the suppression of the activation of the stress response during the aging process.

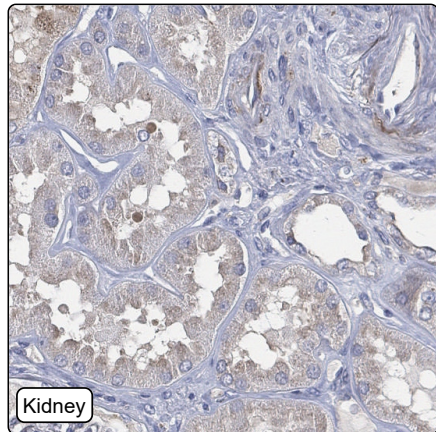
Subcellular location:

Nucleus

Protein existence: Experimental evidence at protein level

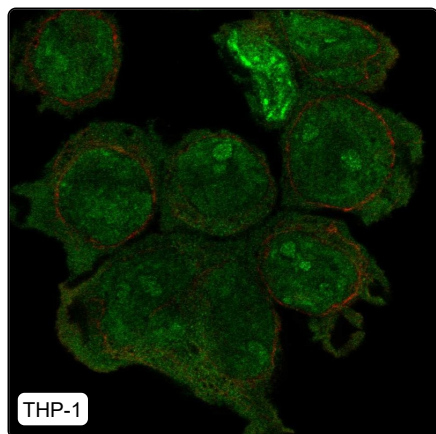
Comment:

Immunohistochemistry



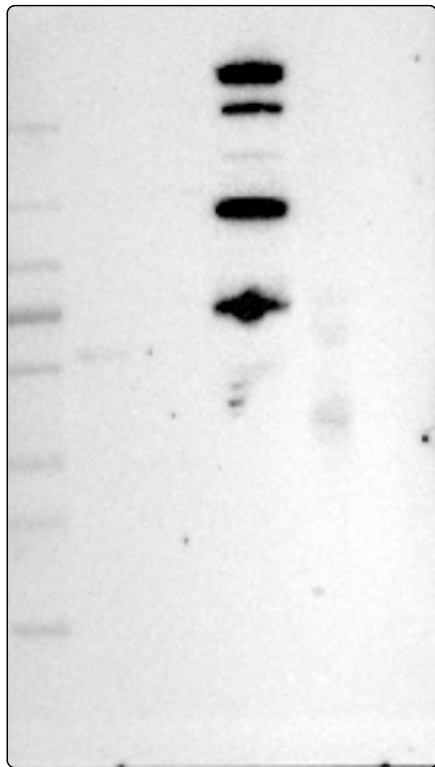
IHC protocol:	HIER pH6, Dilution 1:600
IHC test staining:	Positivity in luminal membrane and extracellular matrix.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Very low consistency between antibody staining and RNA expression data
RNA tissue specificity:	Low tissue specificity
RNA tissue distribution:	Detected in all
IHC Sibling similarity:	Other antibody shows dissimilar IHC staining pattern

Immunofluorescence



IF Overlay:	antibody (green), anti-tubulin (red) and DAPI (blue)
IF main location:	Nucleoli - 3: Supportive (auto) Plasma membrane - 12: Uncertain (auto) Nucleoplasm - 3: Supportive (auto)
IF additional location:	
IF approved for publication on HPA:	No
IF in THP-1:	Nucleoplasm Nucleoli Plasma membrane
IF in U2OS:	Plasma membrane

Western blot



WB Size markers (kDa):	250, 130, 100, 70, 55, 35, 25, 15, 10
WB Lanes:	Marker (1), RT-4 (2), U-251MG (3), Plasma (4), Liver (5), Tonsil (6)
WB Target weight (kDa):	9, 9
WB Validation:	Uncertain (Target too small/large to be analyzed with the present setup.)