

CPTC-NF1-2 (CAB080364)

Uniprot ID: [P21359](#)

Protein name: NF1_HUMAN

Full name: Neurofibromin

Tissue specificity: Detected in brain, peripheral nerve, lung, colon and muscle.

Function: Stimulates the GTPase activity of Ras. NF1 shows greater affinity for Ras GAP, but lower specific activity. May be a regulator of Ras activity.

Subcellular location:

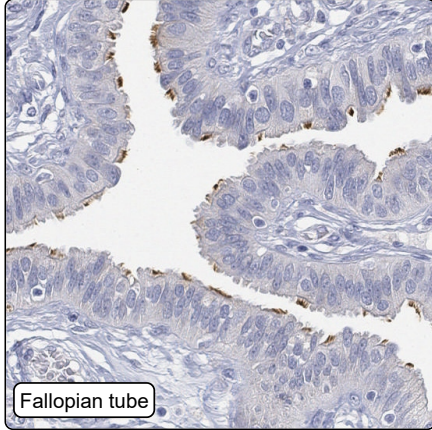
Nucleus (*experimental evidence*)

Nucleus > Nucleolus (*experimental evidence*)

Protein existence: Experimental evidence at protein level

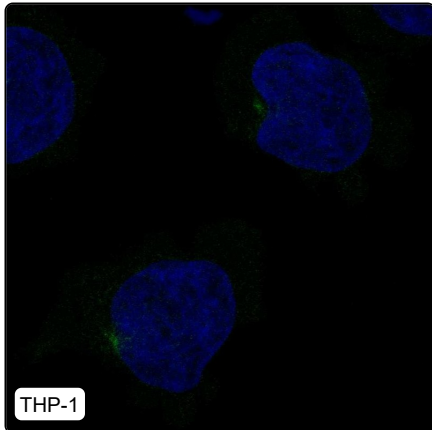
Comment:

Immunohistochemistry



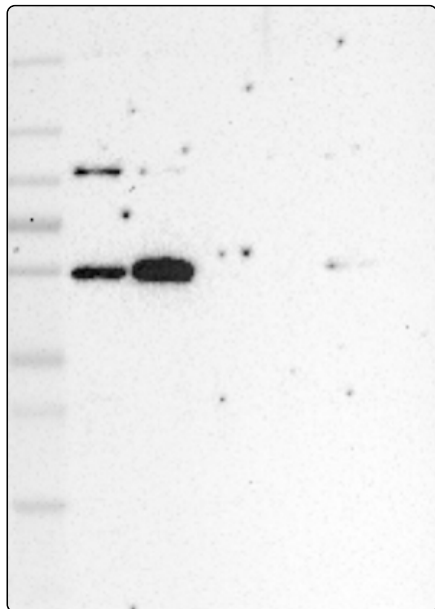
IHC protocol:	HIER pH6, Dilution 1:600
IHC test staining:	Membranous positivity in fallopian tube.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Very low consistency between antibody staining and RNA expression data
RNA tissue 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:	Centriolar satellite - 12: Uncertain (auto)
IF additional location:	
IF approved for publication on HPA:	No
IF in THP-1:	Centriolar satellites
IF in U2OS:	Negative

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):	13, 26, 27, 62, 68, 281, 317, 319
WB Validation:	Supported (Band of predicted size in kDa (+/-20%) with additional bands present.)