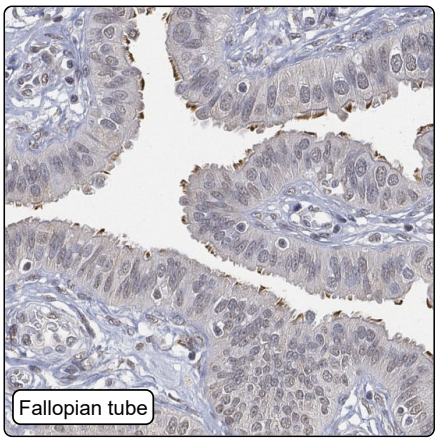
CPTC-NF1-1 (CAB080363)

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

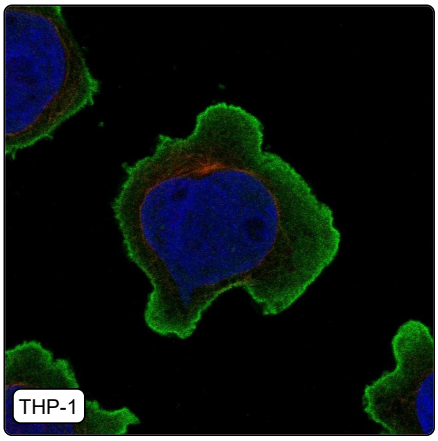
Comment:

Immunohistochemistry



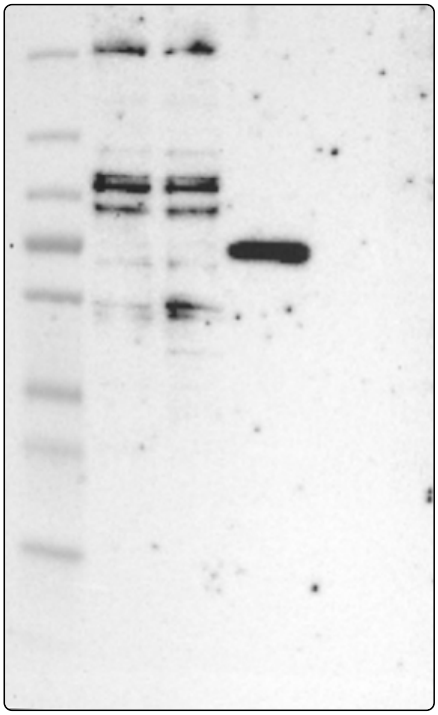
IHC protocol:	HIER pH6, Dilution 1:300
IHC test staining:	Cytoplasmic staining in a subset of immune cells and membranous positivity in fallopian tube.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Very low consistency between 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:	Plasma membrane - 12: **Uncertain** (auto)
IF additional location:	Microtubules - 12: **Uncertain** (auto) Centriolar satellite - 12: **Uncertain** (auto)
IF approved for publication on HPA:	No
IF in THP-1:	Plasma membrane (Protrusions, Edge) Centriolar satellites
IF in U2OS:	Plasma membrane (Protrusions) Csk(mt)

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.)