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Anti-NF1 Antibody

Catalog # AP51387

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P21359
Reactivity	Human, Mouse, Rat, Pig, Chicken, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	319372

Additional Information

Gene ID	4763
Other Names	Neurofibromin; Neurofibromatosis-related protein NF-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NF1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

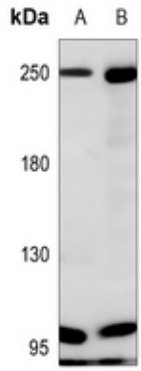
Protein Information

Name	NF1
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.
Cellular Location	Nucleus. Nucleus, nucleolus. Cell membrane
Tissue Location	Detected in brain, peripheral nerve, lung, colon and muscle.

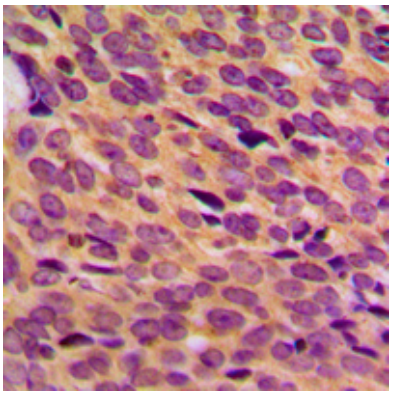
References

Bernards A.,et al.DNA Cell Biol. 11:727-734(1992).
Wallace M.R.,et al.Science 249:181-186(1990).
Wallace M.R.,et al.Science 250:1749-1749(1990).
Marchuk D.A.,et al.Genomics 11:931-940(1991).
Suzuki H.,et al.Biochem. Biophys. Res. Commun. 187:984-990(1992).

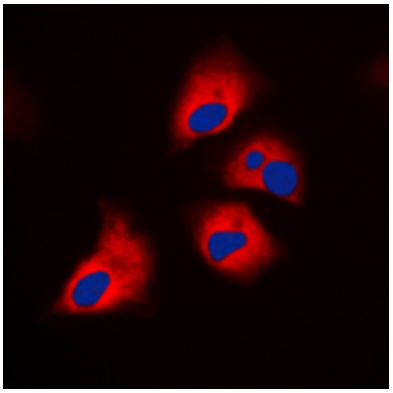
Images



Western blot analysis of NF1 expression in rat liver (A), rat heart (B) whole cell lysates. (Predicted band size: 319 kD; Observed band size: 250 kD)



Immunohistochemical analysis of NF1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of NF1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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