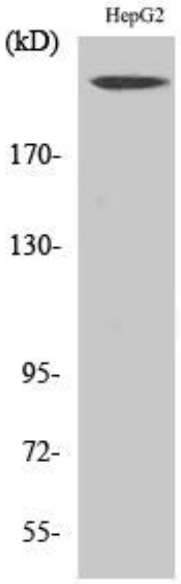
Neurofibromin Polyclonal Antibody

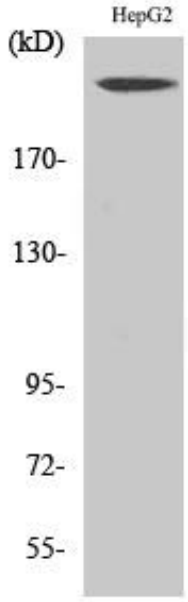
Catalog No	YP-Ab-00460
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC
Gene Name	NF1
Protein Name	Neurofibromin
Immunogen	The antiserum was produced against synthesized peptide derived from human NF1. AA range:1551-1600
Specificity	Neurofibromin Polyclonal Antibody detects endogenous levels of Neurofibromin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NF1; Neurofibromin; Neurofibromatosis-related protein NF-1
Observed Band	319kD
Cell Pathway	Nucleus . Nucleus, nucleolus .
Tissue Specificity	Detected in brain, peripheral nerve, lung, colon and muscle.
Function	alternative products:Experimental confirmation may be lacking for some isoforms,caution:Was originally (PubMed:8807336) thought to be associated with LEOPARD (LS), an autosomal dominant syndrome.,disease:Defects in NF1 are a cause of familial spinal neurofibromatosis (spinal NF) [MIM:162210]. Familial spinal NF is considered to be an alternative form of neurofibromatosis, showing multiple spinal tumors.,disease:Defects in NF1 are a cause of juvenile myelomonocytic leukemia (JMML) [MIM:607785]. JMML is a pediatric myelodysplastic syndrome that constitutes approximately 30% of childhood cases of myelodysplastic syndrome (MDS) and 2% of leukemia. Germline mutations of NF1 account for the association of JMML with type 1 neurofibromatosis (NF1).,disease:Defects in NF1 are a cause of neurofibromatosis-Noonan syndrome (NFNS) [MIM:601321]. NFNS is characterized by manifestations of both NF1 and

Background	This gene product appears to function as a negative regulator of the ras signal transduction pathway. Mutations in this gene have been linked to neurofibromatosis type 1, juvenile myelomonocytic leukemia and Watson syndrome. The mRNA for this gene is subject to RNA editing (CGA>UGA->Arg1306Term) resulting in premature translation termination. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

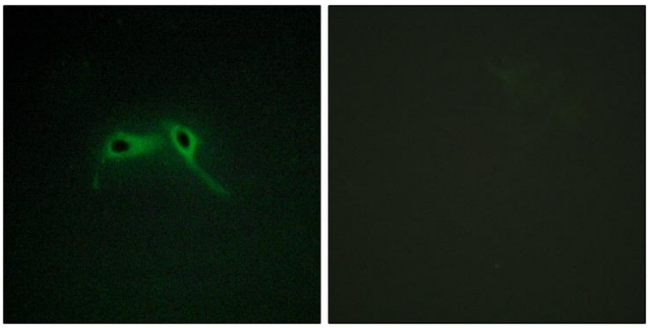
Products Images



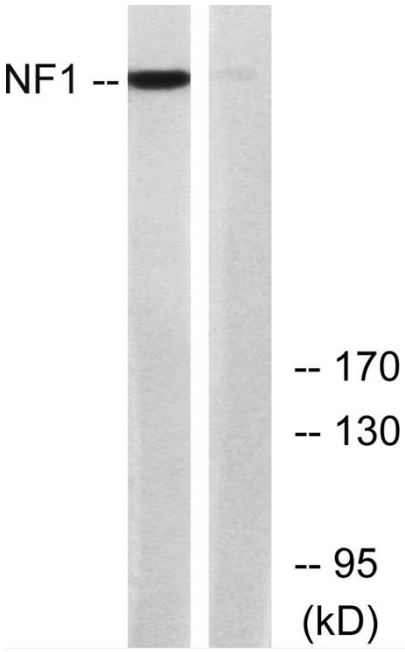
Western Blot analysis of various cells using Neurofibromin Polyclonal Antibody



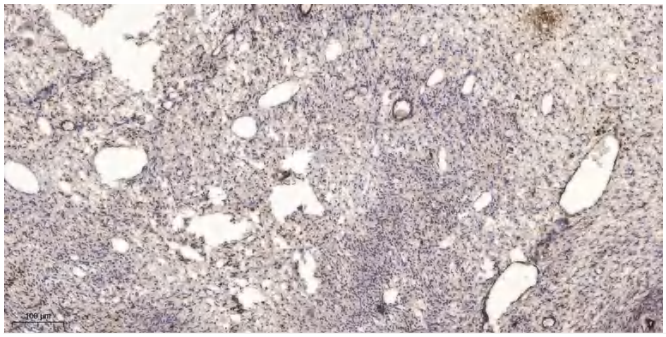
Western Blot analysis of HepG2 cells using Neurofibromin Polyclonal Antibody



Immunofluorescence analysis of HepG2 cells, using NF1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using NF1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).