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anti-Neurofibromin 1 antibody (Center)

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Images



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Quantity:	100 μL
Target:	Neurofibromin 1 (NF1)
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat, Chicken, Monkey, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurofibromin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunochromatography (IC)
Product Details	
Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NF1.
Specificity:	Recognizes endogenous levels of NF1 protein.
Characteristics:	Rabbit polyclonal antibody to NF1
Purification:	The antibody was purified by immunogen affinity chromatography.
Target Details	
Target:	Neurofibromin 1 (NF1)
Alternative Name:	NF1 (NF1 Products)

Target Details

Background:	Neurofibromin, Neurofibromatosis-related protein NF-1
Gene ID:	4763, 18015, 24592
UniProt:	P21359, Q04690, P97526
Pathways:	cAMP Metabolic Process, Regulation of long-term Neuronal Synaptic Plasticity

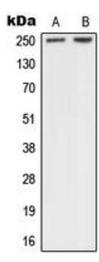
Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

Handling

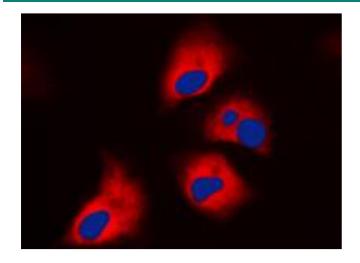
Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

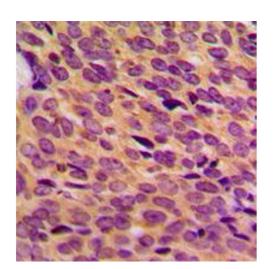
Images



Western Blotting

Image 1. Western blot analysis of NF1 expression in A431 (A), HeLa (B) whole cell lysates.





Immunofluorescence

Image 2. 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).

Immunohistochemistry

Image 3. 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.