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34-1027: Monoclonal Antibody to DJ1 (Clone: 4H4)

Clonality :	Monoclonal
Clone Name :	4H4
Application :	WB, ICC/IF, IHC
Reactivity :	Human, Cow, no reactivity with Rat or Mouse
Gene :	PARK7
Gene ID :	11315
Uniprot ID :	Q99497
Format :	Purified
Alternative Name :	Oncogene DJ1,Parkinson disease protein 7
Isotype :	Mouse, IgG1
Immunogen Information :	Full length recombinant human DJ-1 expressed in and purified from E. coli.

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of 1 mg/ml of purified antibody.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:5,000. IF/IHC: 1:1,000

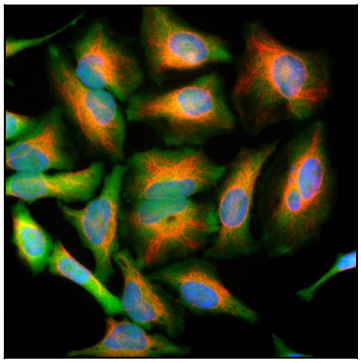

Figure-1: Immunoflourescent analysis of HeLa cells stained with mouse mAb against DJ1,(34-1027), dilution 1:1,000 in green, and costained with chicken pAb to vimentin,(34-1126), dilution 1:10,000, in red. The (34-1027) antibody reveals strong cytoplasmic staining for DJ1 protein, while the(34-1126) antibody stains cytoplasmic intermediate filaments.

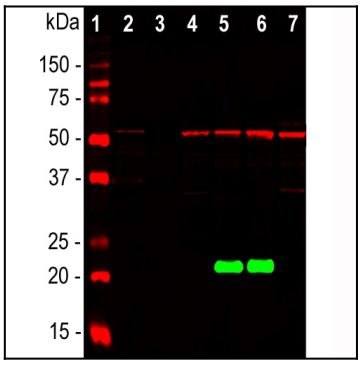

Figure-2: Western blot analysis of whole brain and cell lysates using mouse mAb against DJ1,(34-1027), dilution 1:5,000 in green. [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HeLa, [6] HEK293, and [7] C6 cells. The antibody detects protein with apparent molecular weight of 21kDa but only in human cell lines, since it does not recognize the rat or mouse DJ1 protein. The blot was simultaneously probed with chicken pAb to vimentin, (34-1126), dilution 1;5,000 in red, revealing a single band at about 50kDa present in all lanes, though at much lower levels in the tissue lysates.