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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:

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

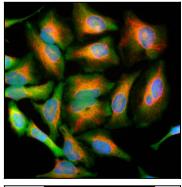


Figure-1: Immunoflourescent analysis of HeLa cells stained with mouse mAb against DJ1,(34-1027), dilution 1:1,000 in green, and costained with chicken pAb to vimentin,(34-1126), dilution 1:10,000, in red. The (34-1027) antibody reveals strong cytoplasmic staining for DJ1 protein, while the(34-1126) antibody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

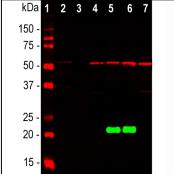


Figure-2: Western blot analysis of whole brain and cell lysates using mouse mAb against DJ1,(34-1027), dilution 1:5,000 in green. [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HeLa, [6] HEK293, and [7] C6 cells. The antibody detects protein with apparent molecular weight of 21kDa 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.