## DJ-1 Monoclonal Antibody (4H4)

| Product Details |  |
| :--- | :--- |
| Size | $100 \mu \mathrm{~L}$ |
| Species Reactivity | Bovine, Human |
| Host/lsotype | Mouse / IgG1 |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 4 H 4 |
| Conjugate | Unconjugated |
| Immunogen | Full length recombinant human DJ1 expressed in and purified from E. coli. |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | Protein A/G |
| Storage buffer | PBS with $50 \%$ glycerol |
| Contains | 5 mM sodium azide |
| Storage conditions | Store at $4{ }^{\circ} \mathrm{C}$ short term. For long term storage, store at $-20^{\circ} \mathrm{C}$, avoiding freeze/thaw cycles. |


| Applications | Tested Dilution | Publications |
| :--- | :--- | :--- |
| Western Blot (WB) | $1: 5,000$ | - |
| Immunohistochemistry (IHC) | $1: 1,000$ | - |
| Immunocytochemistry (ICC/IF) | $1: 1,000$ | - |

## Product Images For DJ-1 Monoclonal Antibody (4H4)



## DJ-1 Antibody (MA5-47436) in WB

Western blot analysis of DJ -1 in whole brain and cell lysates. Samples were incubated in DJ-1 monoclonal antibody (Product \# MA5-47436) using a dilution of 1:5,000 (green). [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HeLa, [6] HEK293, and [7] C6 cells. The MCA-DJ1 antibody detects protein with apparent molecular weight of 21 kDa 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 dilution $1 ; 5,000$ in red, revealing a single band at about 50 kDa present in all lanes, though at much lower levels in the tissue lysates.

## DJ-1 Antibody (MA5-47436) in ICC/IF

Immunofluorescent analysis of DJ-1 in HeLa cells. Samples were stained with DJ1 monoclonal antibody (Product \# MA5-47436) using a dilution of 1:1,000 (green). Costained with chicken pAb to lamin A/C (Product \# PA5-143574) dilution 1:5,000 in red. The DJ-1 antibody reveals strong cytoplasmic staining for DJ1 protein, while LaminAC antibody produces strong staining of nuclear lamina.

