HIP2 (C-5): sc-390138

**BACKGROUND**

HIP1 (Huntingtin interacting protein 1), a membrane-associated protein, and HIP2 bind specifically to the N-terminus of human Huntingtin. HIP1 and HIP2 are ubiquitously expressed in different brain regions at low levels and exhibit nearly identical subcellular fractionation as Huntingtin. The Huntingtin-HIP1 interaction is inversely correlated to the polyglutamine length in Huntingtin, suggesting that loss of normal Huntingtin-HIP1 interaction may compromise the membrane-cytoskeletal integrity in the brain. Conversely, the Huntingtin-HIP2 interaction is not affected by the polyglutamine length in the Huntingtin protein. However, both HIP1 and HIP2 play an important role in the pathogenesis of Huntington disease (HD).

**REFERENCES**


**APPLICATIONS**

HIP2 (C-5) is recommended for detection of HIP2 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

HIP2 (C-5) is also recommended for detection of HIP2 in additional species, including canine, bovine, porcine and avian.

Suitable for use as control antibody for HIP2 siRNA (h): sc-41984, HIP2 siRNA (m): sc-41985, HIP2 shRNA Plasmid (h): sc-41984-SH, HIP2 shRNA Plasmid (m): sc-41985-SH, HIP2 shRNA (m) Lentiviral Particles: sc-41984-V and HIP2 shRNA (m) Lentiviral Particles: sc-41985-V.

Molecular Weight of HIP2: 22 kDa.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.