HAUSP (C-2): sc-133204

**BACKGROUND**

HAUSP (herpesvirus-associated ubiquitin-specific protease, USP7) is a ubiquitin-specific protease. HAUSP localizes predominantly to the nucleus, in a TD-dependent manner, where it associates with ND10. ND10 are small nuclear structures implicated in a variety of cellular processes including response to stress and interferons, oncogenesis, and viral infection. HAUSP binds strongly to Vmw110, a herpesvirus regulatory protein which has the ability to disrupt ND10. HAUSP, a novel p53-interacting protein, functions to deubiquitinate p53 in an important pathway for p53 stabilization. HAUSP strongly stabilizes p53 even in the presence of excess Mdm2, and also induces p53-dependent cell growth repression and apoptosis. The HAUSP protein is distributed in the nucleus in a micropunctate pattern with a limited number of larger discrete foci, some of which co-localize with PML in ND10. The gene encoding HAUSP maps to human chromosome band 16p13.2.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: USP7 (human) mapping to 16p13.2; Usp7 (mouse) mapping to 16 A1.

**SOURCE**

HAUSP (C-2) is a mouse monoclonal antibody raised against amino acids 11-210 mapping near the N-terminus of HAUSP of human origin.

**PRODUCT**

Each vial contains 200 µg IgG kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**STORAGE**

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

**APPLICATIONS**

HAUSP (C-2) is recommended for detection of HAUSP 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).

Suitable for use as control antibody for HAUSP siRNA (h): sc-41521, HAUSP siRNA (m): sc-77373, HAUSP shRNA Plasmid (h): sc-41521-SH, HAUSP shRNA Plasmid (m): sc-77373-SH, HAUSP shRNA (h) Lentiviral Particles: sc-41521-V and HAUSP shRNA (m) Lentiviral Particles: sc-77373-V.

Molecular Weight of HAUSP: 135 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, ZR-75-1 cell lysate: sc-2241 or 3611-RF whole cell lysate: sc-2215.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:


2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).


**DATA**

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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