Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to HAUSP

Catalog Number: MAB-606020428

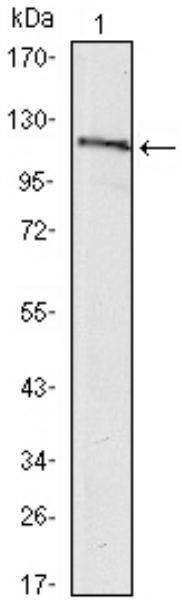

Figure 1: Western blot analysis using HAUSP mouse mAb against MCF-7 (1) cell lysate.

Lot#:
Clone#: 5F11
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 128kDa
Aliases: TEF1; HAUSP; USP7
Entrez Gene: 7874
Species reactivity: Human

Description USP7 or HAUSP is a ubiquitin specific protease or a deubiquitylating enzyme that cleaves ubiquitin from its substrates. Since ubiquitylation (polyubiquitination) is most commonly associated with the stability and degradation of cellular proteins, HAUSP acitivity generally stabilizes its substrate proteins. HAUSP is most popularly known as a direct antagonist of Mdm2, the E3 ubiquitin ligase for the tumor suppressor protein, p53.Normally, p53 levels are kept low in part due to Mdm2-mediated ubiquitylation and degradation of p53. Interestingly, in response to oncogenic insults, HAUSP can deubiquitinate p53 and protect p53 from Mdm2-mediated degradation, indicating that it may possess a tumor suppressor function for the immediate stabilization of p53 in response to stress. Another important role of HAUSP function involves the oncogenic stabilization of p53. Oncogenes such as Myc and E1A are thought to activate p53 through a p19 alternative reading frame (p19ARF, also called ARF)-dependent pathway, although some evidence suggests ARF is not essential in this process. An intriguing possibility is that HAUSP provides an alternative pathway for safeguarding the cell against oncogenic insults.

Immunogen Purified recombinant fragment of human HAUSP expressed in E. Coli.

Application Western Bloting: 1/500 - 1/2000.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4iæ, for long term storage, store at -20iæ.

Related product

References 1. Cell Death Differ. 2007 Jul;14(7):1350-60.
2. Cancer Cell. 2007 Oct;12(4):342-54.
3. Blood. 2009 Apr 2;113(14):3264-75.

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