

HAUSP Monoclonal Antibody

Catalog No: YM1039

Reactivity: Human; Mouse; Rat; Dog; Pig

Applications: WB;IF

Target: HAUSP

Fields: >>FoxO signaling pathway;>>Epstein-Barr virus infection;>>Viral

carcinogenesis

Gene Name: USP7

Protein Name: Ubiquitin carboxyl-terminal hydrolase 7

Human Gene Id: 7874

Human Swiss Prot Q93009

No:

Mouse Gene ld: 252870

Mouse Swiss Prot

No:

Rat Gene Id: 360471

Rat Swiss Prot No: Q4VSI4

Immunogen: Purified recombinant human HAUSP (C-terminus) protein fragments expressed

in E.coli.

Q6A4J8

Specificity: HAUSP Monoclonal Antibody detects endogenous levels of HAUSP protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Monoclonal, Mouse

Dilution: WB 1:1000 - 1:2000. IF 1:100 - 1:500. Not yet tested in other applications.

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Purification: Affinity purification

Concentration: 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:**

Molecularweight: 128kD

The protein encoded by this gene belongs to the peptidase C19 family, which **Background:**

> includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental

disorder. [provided by RefSeq, Mar 2016],

Function: catalytic activity: Ubiquitin C-terminal thioester + H(2)O = ubiquitin + a

> thiol., enzyme regulation: Inhibited by N-ethyl-maleimide (NEM) and divalent cations. Tolerates high concentrations of NaCl but is inhibited at concentrations of

195 mM and higher, function: Cleaves ubiquitin fusion protein substrates.

Deubiquitinates TP53/p53 and MDM2 and strongly stabilizes TP53 even in the presence of excess MDM2, and also induces TP53-dependent cell growth

repression and

apoptosis.,PTM:Polyneddylated.,PTM:Polyubiquitinated.,similarity:Belongs to the

peptidase C19 family., similarity: Contains 1 MATH domain., subcellular

location: Present in a minority of ND10 nuclear bodies. Association with VMW110 at early times of infection leads to an increased proportion of USP7-containing ND10. Colocalizes with ATXN1 in the nucleus., subunit: Monomer. Interacts with

TP53, MDM2 and UBXN6. Interacts with herpesvirus

Subcellular Location:

Nucleus . Cytoplasm . Nucleus, PML body . Chromosome . Present in a minority of ND10 nuclear bodies. Association with ICP0/VMW110 at early times of

infection leads to an increased proportion of USP7-containing ND10. Colocalizes

with ATXN1 in the nucleus. Colocalized with DAXX in speckled structures. Colocalized with PML and PTEN in promyelocytic leukemia protein (PML) nuclear

bodies.

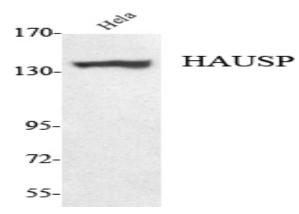
Expression: Expressed in neural progenitor cells (at protein level) (PubMed:21258371).

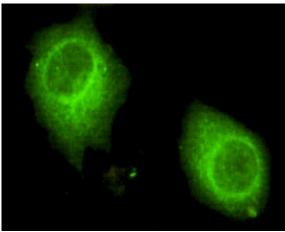
Widely expressed. Overexpressed in prostate cancer.

Products Images

(kD)

Western Blot analysis using HAUSP Monoclonal Antibody against HeLa cell lysate.





Immunofluorescence analysis of HeLa cells using HAUSP Monoclonal Antibody.