

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 No :	Q93009
Mouse Gene Id :	252870
Mouse Swiss Prot No :	Q6A4J8
Rat Gene Id :	360471
Rat Swiss Prot No :	Q4VSI4
Immunogen :	Purified recombinant human HAUSP (C-terminus) protein fragments expressed in E.coli.
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.

Purification : Affinity purification

Concentration : 1 mg/ml

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

Molecularweight : 128kD

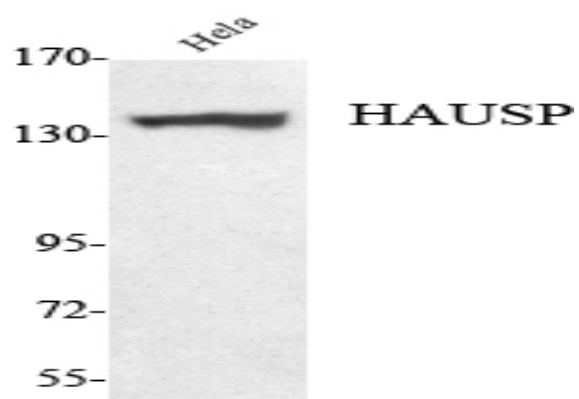
Background : The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting 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

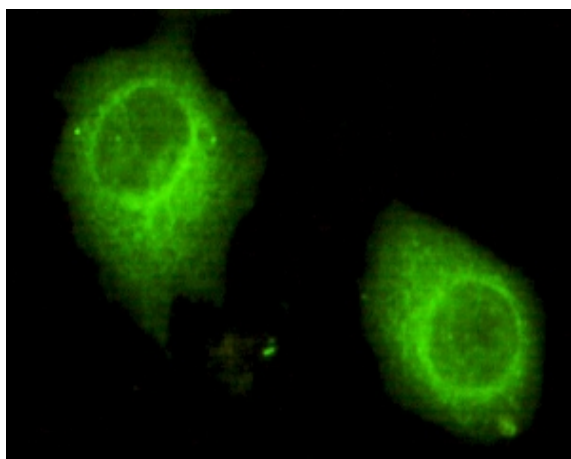
Subcellular Location : Nucleus . Cytoplasm . Nucleus, PML body . Chromosome . Present in a minority of ND10 nuclear bodies. Association with ICP0/VMW110 at early times of infection leads to an increased proportion of USP7-containing ND10. Colocalizes with ATXN1 in the nucleus. Colocalized with DAXX in 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.