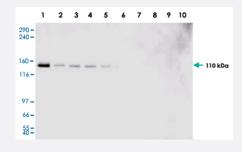


# USP7 polyclonal antibody

Catalog # PAB10225 Size 100 ug

### **Applications**



### Western Blot (Cell lysate)

Western blot using USP7 polyclonal antibody (Cat # PAB10225) shows detection of USP7 in various cell lysates at 130 kDa (lane 1 - HeLa nuclear extract, lane 2 - HeLa, Lane 3 - A-431, Lane 4 - MCF-7, Lane 5 - 3T3).

The antibody is blocked by pre-incubation with the immunizing peptide (lanes 6 - 10) using the same lysates.

A 1:500 dilution of the primary antibody was used for detection followed by a 1:5,000 dilution of HRP Gt-a-Rabbit IgG.

Exposure time was 30 sec.

Specification	
Product Description	Rabbit polyclonal antibody raised against synthetic peptide of USP7.
Immunogen	A synthetic peptide corresponding to N-terminus of human USP7.
Host	Rabbit
Reactivity	Bovine, Chicken, Chimpanzee, Dog, Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:15000-1:60000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.



#### **Product Information**

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

## **Applications**

Western Blot (Cell lysate)

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The antibody is blocked by pre-incubation with the immunizing peptide (lanes 6 - 10) using the same lysates.

A 1:500 dilution of the primary antibody was used for detection followed by a 1:5,000 dilution of HRP Gt-a-Rabbit lgG. Exposure time was 30 sec.

Enzyme-linked Immunoabsorbent Assay

Gene Info — USP7	
Entrez GeneID	<u>7874</u>
Protein Accession#	NP_003461;Q93009
Gene Name	USP7
Gene Alias	HAUSP, TEF1
Gene Description	ubiquitin specific peptidase 7 (herpes virus-associated)
Omim ID	602519
Gene Ontology	<u>Hyperlink</u>
Other Designations	Herpes virus-associated ubiquitin-specific protease ubiquitin specific protease 7 ubiquitin specific protease 7 (herpes virus-associated)

### **Publication Reference**

Molecular recognition of p53 and MDM2 by USP7/HAUSP.

Sheng Y, Saridakis V, Sarkari F, Duan S, Wu T, Arrowsmith CH, Frappier L.

Nature Structural & Molecular Biology 2006 Mar; 13(3):285.



### **Product Information**

 Reciprocal activities between herpes simplex virus type 1 regulatory protein ICP0, a ubiquitin E3 ligase, and ubiquitin-specific protease USP7.

Boutell C, Canning M, Orr A, Everett RD.

Journal of Virology 2005 Oct; 79(19):12342.

Application: WB-Tr, Human, HeLa cells

Expression and functional analyses of mHAUSP regulating apoptosis of cervical adenocarcinoma cells.

Yoo KJ, Lee HJ, Lee H, Lee KY, Lee SH, Chung HM, Baek KH.

International Journal of Oncology 2005 Jul; 27(1):97.

### Disease

• Tobacco Use Disorder