

**UBP1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14065c****Specification**

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**UBP1 Antibody (Center) - Product Information**

Application	IF, WB, IHC-P,E
Primary Accession	<a href="#">O9NZI7</a>
Other Accession	<a href="#">O811S7</a> , <a href="#">NP_001121632.1</a> , <a href="#">NP_055332.3</a> , <a href="#">NP_001121633.1</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	60491
Antigen Region	266-295

**UBP1 Antibody (Center) - Additional Information****Gene ID** 7342**Other Names**

Upstream-binding protein 1, Transcription factor LBP-1, UBP1, LBP1

**Target/Specificity**

This UBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 266-295 amino acids from the Central region of human UBP1.

**Dilution**IF~~1:10~50  
WB~~1:1000  
IHC-P~~1:10~50**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

UBP1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**UBP1 Antibody (Center) - Protein Information**

**Name** UBPI

**Synonyms** LBP1

**Function** Functions as a transcriptional activator in a promoter context-dependent manner. Modulates the placental expression of CYP11A1. Involved in regulation of the alpha-globin gene in erythroid cells. Activation of the alpha-globin promoter in erythroid cells is via synergistic interaction with TFCP2 (By similarity). Involved in regulation of the alpha-globin gene in erythroid cells. Binds strongly to sequences around the HIV-1 initiation site and weakly over the TATA- box. Represses HIV-1 transcription by inhibiting the binding of TFIID to the TATA-box.

**Cellular Location**

Nucleus.

**Tissue Location**

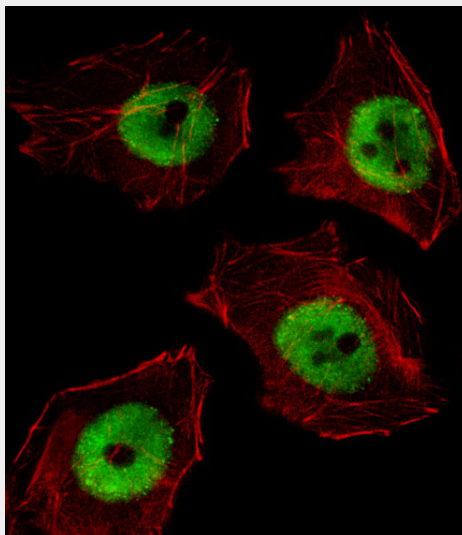
Expressed in adrenal tissue, JEG-3, NCI-H295A, Hep- G2 and HeLa cell lines.

### UBP1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

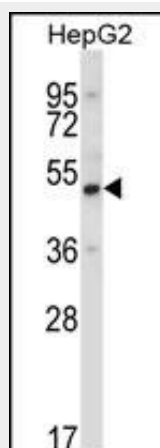
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### UBP1 Antibody (Center) - Images

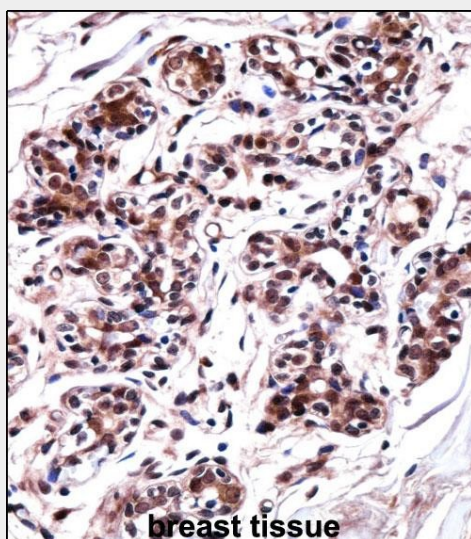


Fluorescent image of A549 cell stained with UBPI Antibody (Center)(Cat#AP14065c).A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with UBPI primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at

37°C).UBP1 immunoreactivity is localized to Nucleus significantly.



UBP1 Antibody (Center) (Cat. #AP14065c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the UBP1 antibody detected the UBP1 protein (arrow).



UBP1 Antibody (Center) (AP14065c)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of UBP1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

### **UBP1 Antibody (Center) - Background**

UBP1 functions as a transcriptional activator in a promoter context-dependent manner. Modulates the placental expression of CYP11A1. Involved in regulation of the alpha-globin gene in erythroid cells. Activation of the alpha-globin promoter in erythroid cells is via synergistic interaction with TFCP2 (By similarity). Involved in regulation of the alpha-globin gene in erythroid cells. Binds strongly to sequences around the HIV-1 initiation site and weakly over the TATA-box. Represses HIV-1 transcription by inhibiting the binding of TFIID to the TATA-box.

### **UBP1 Antibody (Center) - References**

- Katsura, A., et al. Genes Cells 14(10):1183-1196(2009)
- Koutnikova, H., et al. PLoS Genet. 5 (8), E1000591 (2009) :
- Henderson, Y.C., et al. DNA Cell Biol. 27(2):71-79(2008)
- Huang, N., et al. Mol. Endocrinol. 19(2):409-420(2005)
- Huang, N., et al. J. Biol. Chem. 275(4):2852-2858(2000)