

Datasheet for 600-401-FV5**USP10 Antibody****Overview**

Description:	Anti-USP10 (RABBIT) Antibody - 600-401-FV5
Item No.:	600-401-FV5
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	USP10, also known as ubiquitin specific peptidase 10, belongs to the ubiquitin-specific protease family of cysteine proteases. USP10 functions to catalyze the cleavage of ubiquitin from ubiquitin-conjugated protein substrates such as p53/TP53, SNX3 and CFTR. USP10 has been identified as a subunit of DNA-bound androgen receptor (AR) complexes and may play a role in the activity of the DNA-bound androgen receptor complex. USP10 also acts as an essential regulator of p53/TP53 stability and is thought to function as a tumor suppressor.
Synonyms:	USP10 Antibody, UBPO, KIAA0190, Ubiquitin carboxyl-terminal hydrolase 10, Deubiquitinating enzyme 10
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	USP10
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-USP10 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human USP10.

Purity/Specificity:	Anti-USP10 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with USP10 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q14694 • GeneID - 9100 • NCBI - NP_001259004.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-USP10 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 87 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

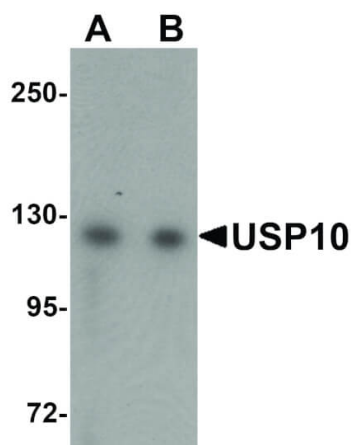
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of USP10 antibody. Lane 1: Jurkat cell lysate with USP10 antibody at 1 $\mu\text{g/mL}$. Lane 2: Jurkat cell lysate with USP10 antibody at 2 $\mu\text{g/mL}$. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 87 kDa, 125 kDa for USP10. Other band(s): USP10 splice variants and isoforms.

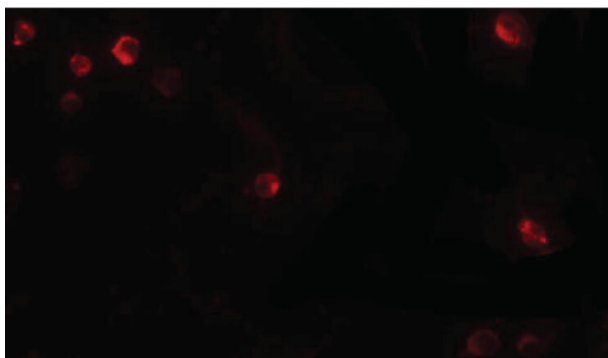
Immunohistochemistry

Immunocytochemistry of USP10 antibody. Tissue: Jurkat cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: USP10 antibody at 20 $\mu\text{g/mL}$ for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: USP10 is a membrane protein. Staining: USP10 as precipitated blue signal with pink nuclear counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of USP10 antibody. Tissue: Jurkat cell. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: USP10 antibody at 20 $\mu\text{g/mL}$ for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: USP10 is a membrane protein. Staining: USP10 as red fluorescent signal.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.