

# Product Datasheet

## USP10 Antibody (OTI2E1) NBP2-01452

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-01452**

USP10 Antibody (OTI2E1)

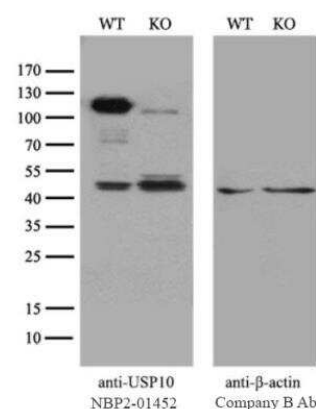
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI2E1
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	87 kDa

Product Description	
Host	Mouse
Gene ID	9100
Gene Symbol	USP10
Species	Human, Mouse, Rat, Canine, Primate, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human USP10(NP_005144) produced in HEK293T cell.

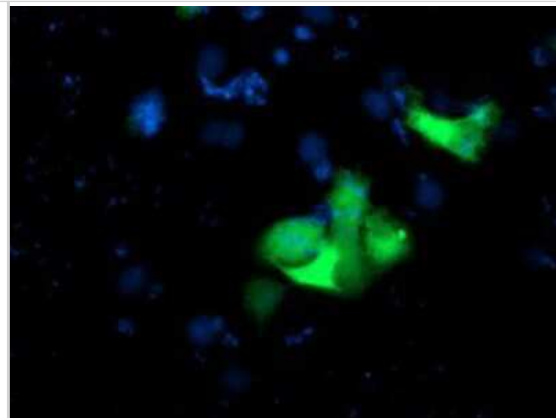
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150, Knockout Validated

**Images**

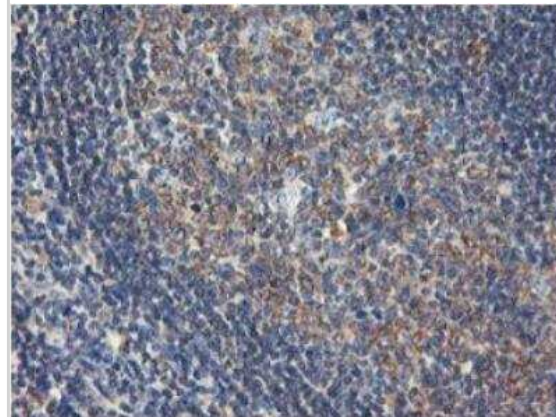
Western Blot: USP10 Antibody (OTI2E1) [NBP2-01452] - Equivalent amounts of cell lysates (10 ug per lane) of wild-type Hela cells (WT) and USP10-Knockout Hela cells (KO) were separated by SDS-PAGE and immunoblotted with anti-USP10 monoclonal antibody NBP2-01452, (1:500). Then the blotted membrane was stripped and reprobed with an anti-beta-actin antibody as a loading control.



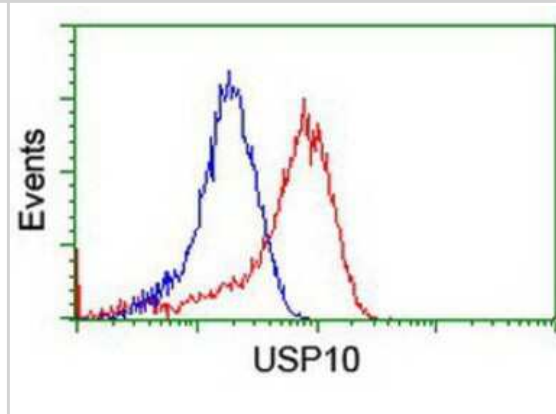
Immunocytochemistry/Immunofluorescence: USP10 Antibody (2E1) [NBP2-01452] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY USP10.



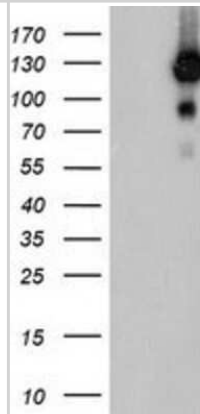
Immunohistochemistry-Paraffin: USP10 Antibody (OTI2E1) [NBP2-01452] - Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-USP10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100 degrees C for 10min, NBP2-01452)



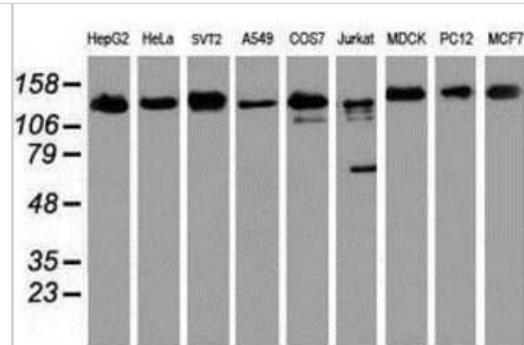
Flow Cytometry: USP10 Antibody (2E1) [NBP2-01452] - Analysis of Hela cells, using anti-USP10 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Western Blot: USP10 Antibody (2E1) [NBP2-01452] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY USP10 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-USP10.



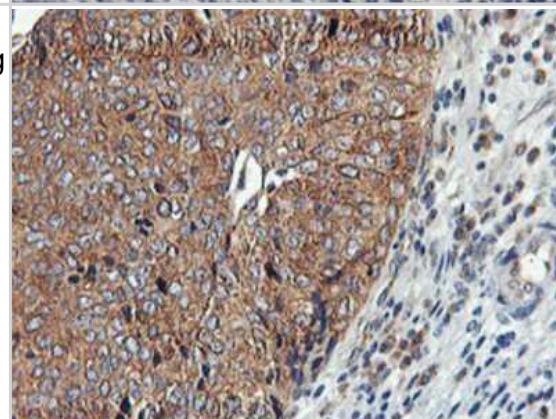
Western Blot: USP10 Antibody (2E1) [NBP2-01452] Analysis of extracts (35ug) from 9 different cell lines by using anti-USP10 monoclonal antibody.



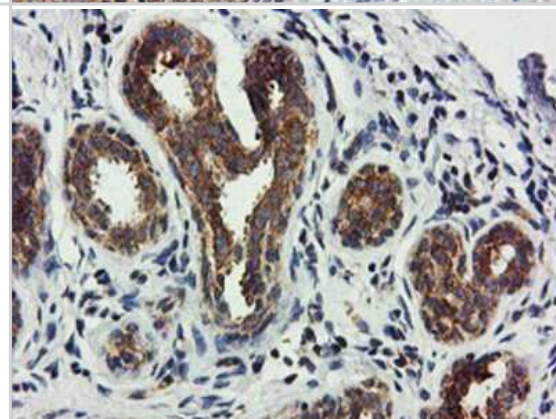
Immunohistochemistry-Paraffin: USP10 Antibody (2E1) [NBP2-01452] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-USP10 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: USP10 Antibody (2E1) [NBP2-01452] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-USP10 mouse monoclonal antibody.

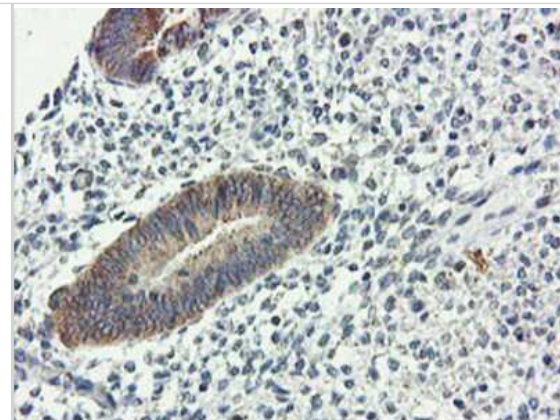


Immunohistochemistry-Paraffin: USP10 Antibody (2E1) [NBP2-01452] - Staining of paraffin-embedded Human breast tissue using anti-USP10 mouse monoclonal antibody.

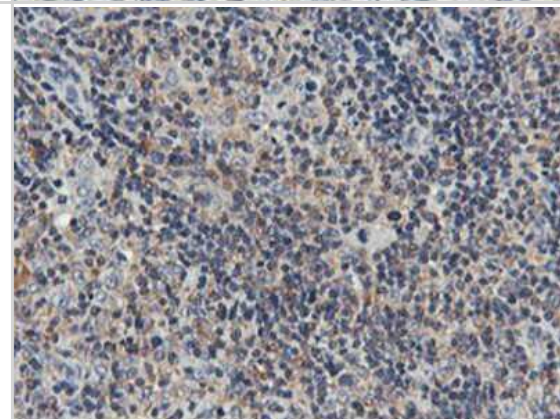




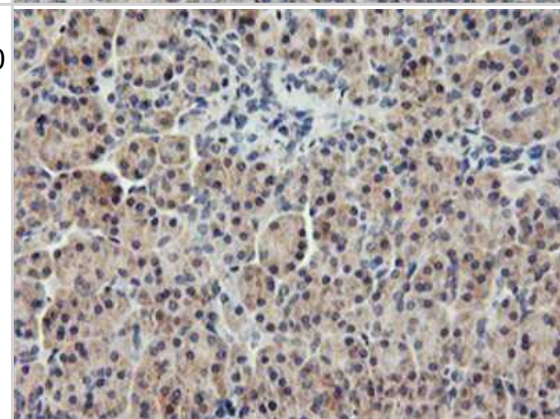
Immunohistochemistry-Paraffin: USP10 Antibody (2E1) [NBP2-01452] - Staining of paraffin-embedded Human endometrium tissue using anti-USP10 mouse monoclonal antibody.



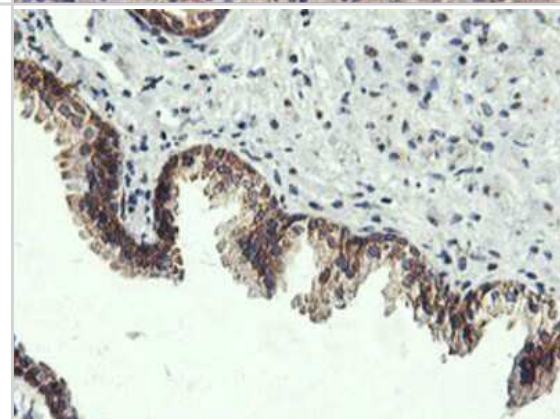
Immunohistochemistry-Paraffin: USP10 Antibody (2E1) [NBP2-01452] - Staining of paraffin-embedded Human lymphoma tissue using anti-USP10 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: USP10 Antibody (2E1) [NBP2-01452] - Staining of paraffin-embedded Human pancreas tissue using anti-USP10 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: USP10 Antibody (2E1) [NBP2-01452] - Staining of paraffin-embedded Human prostate tissue using anti-USP10 mouse monoclonal antibody.



## Publications

Xia X, Liu X, Chai R et al. USP10 exacerbates neointima formation by stabilizing Skp2 protein in vascular smooth muscle cells *Journal of Biological Chemistry* 2021-09-01 [PMID: 34599966] (ICC/IF, Human)



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### **Products Related to NBP2-01452**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-83028PEP	USP10 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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