

# Product Datasheet

## PTEN Antibody (706F4) NBP3-15666-100ul

Unit Size: 100 ul

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

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**NBP3-15666-100ul**

PTEN Antibody (7O6F4)

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7O6F4
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol, 0.05% BSA
Target Molecular Weight	47 kDa

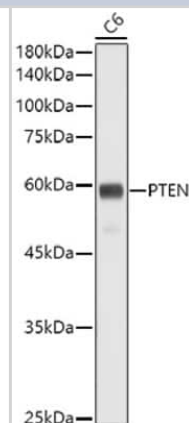
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit PTEN Antibody (7O6F4) (NBP3-15666) is a recombinant monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5728
Gene Symbol	PTEN
Species	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-403 of human PTEN (P60484). MTAIIKEIVSRNKRRYQEDGFDLDTYIYPNIIAMGFPAERLEGVYRNNIDDVVRFLDSKHKNHYKIYNLCAERHYDTAKFNCRVAQYPFEDHNPPQLELIKPFCELDLQWLSEDDNHVAAIHCKAGKGRTGVMICAYLLHRGKFLKAQEALDFYGEVTRDKKGV TIPSQRRYVYYSYLLKNHLDYRPVALLFHKMMFETIPMFSGGTCNPQFVVCQLKVKIYSSNSGPTRRREDKFMFYFEPQPLPVCGLKVEFFHKQNKMLKKDKMFHFVNTFFIPGPEETSEKVENGSLCDQEIDSICSIERADNDKEYLVLTLTKNL DKANKDKANRYFSPNFVKLYFTKTVEEPSNPEASSSTSVTPDVSDNEPDHYRYSDDTSDPENEPFDEDQHTQITKV

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:1000 - 1:2000, ELISA Recommended starting concentration is 1 µg/mL. , Immunocytochemistry/ Immunofluorescence 1:50 - 1:200, Immunoprecipitation 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells, Knockout Validated

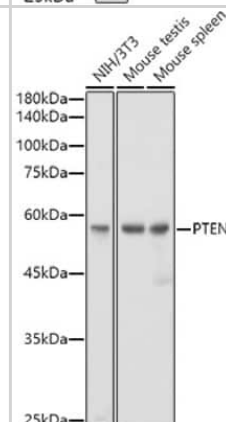


## Images

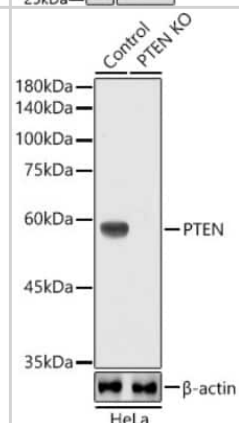
Western Blot: PTEN Antibody (7O6F4) [NBP3-15666] - Analysis of extracts of C6 cells, using PTEN antibody (NBP3-15666) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



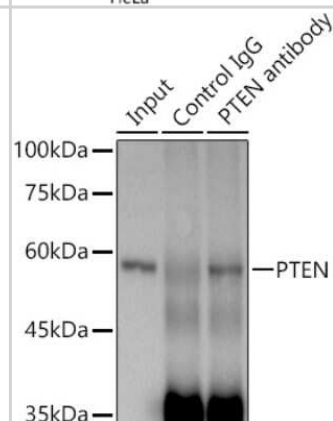
Western Blot: PTEN Antibody (7O6F4) [NBP3-15666] - Analysis of extracts of various cell lines, using PTEN antibody (NBP3-15666) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



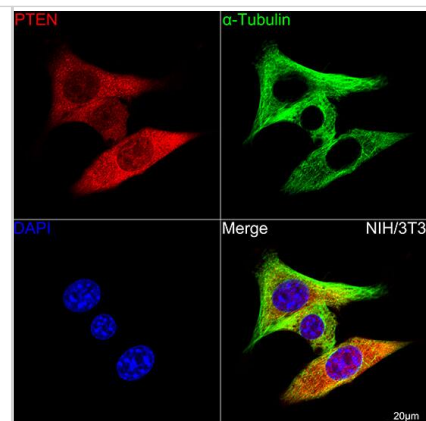
Western Blot: PTEN Antibody (7O6F4) [NBP3-15666] - Analysis of extracts from normal (control) and PTEN knockout (KO) HeLa cells, using PTEN antibody (NBP3-15666) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



Immunoprecipitation: PTEN Antibody (7O6F4) [NBP3-15666] - Analysis of 300ug extracts of NIH/3T3 cells using 3ug PTEN antibody (NBP3-15666). Western blot was performed from the immunoprecipitate using PTEN antibody (NBP3-15666) at a dilution of 1:1000.



Immunocytochemistry/ Immunofluorescence: PTEN Antibody (7O6F4) [PTEN] - Confocal imaging of NIH/3T3 cells using [KO Validated] PTEN Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) . The cells were counterstained with alpha-Tubulin Mouse mAb followed by incubation with ABflo 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.





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### **Products Related to NBP3-15666-100ul**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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