

USP33 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant USP33.****Catalog # AT4487a****Specification**

USP33 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, IF, IP, E
Primary Accession	Q8TEY7
Other Accession	NM_015017
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	106727

USP33 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 23032**Other Names**

Ubiquitin carboxyl-terminal hydrolase 33, Deubiquitinating enzyme 33, Ubiquitin thioesterase 33, Ubiquitin-specific-processing protease 33, VHL-interacting deubiquitinating enzyme 1, hVDU1, USP33, KIAA1097, VDU1

Target/Specificity

USP33 (NP_055832, 327 a.a. ~ 426 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

IP~~N/A

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

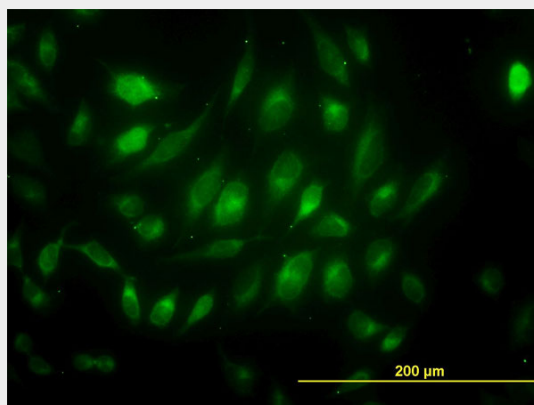
USP33 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

USP33 Antibody (monoclonal) (M01) - Protocols

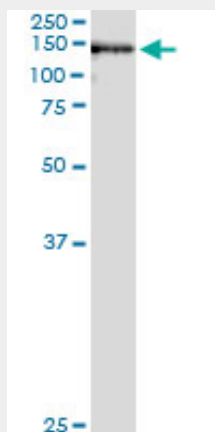
Provided below are standard protocols that you may find useful for product applications.

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

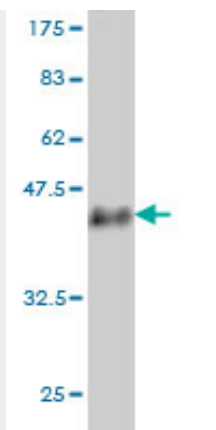
USP33 Antibody (monoclonal) (M01) - Images



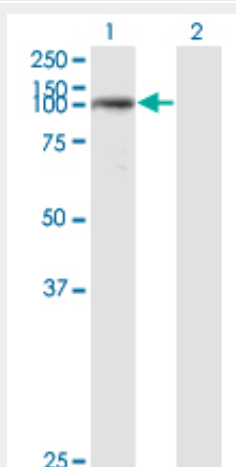
Immunofluorescence of monoclonal antibody to USP33 on HeLa cell. [antibody concentration 20 ug/ml]



Immunoprecipitation of USP33 transfected lysate using anti-USP33 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with USP33 MaxPab rabbit polyclonal antibody.



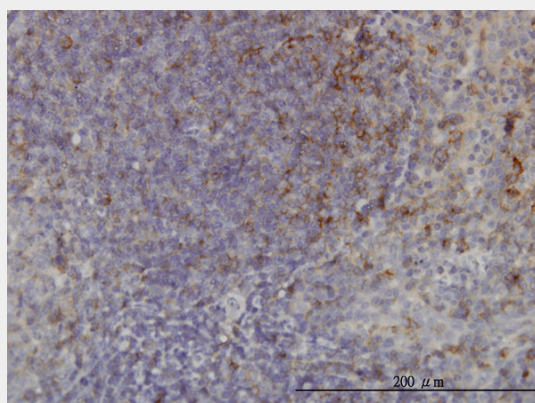
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



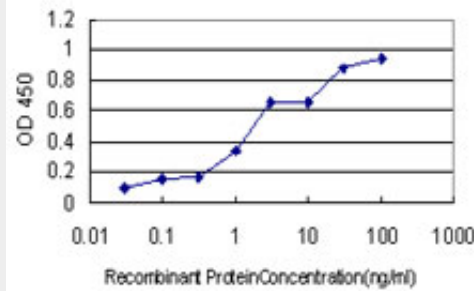
Western Blot analysis of USP33 expression in transfected 293T cell line by USP33 monoclonal antibody (M01), clone 5B5.

Lane 1: USP33 transfected lysate (103.3 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to USP33 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged USP33 is approximately 0.1ng/ml as a capture antibody.

USP33 Antibody (monoclonal) (M01) - References

Meta-analyses of genes modulating intracellular T3 bio-availability reveal a possible role for the DIO3 gene in osteoarthritis susceptibility. Meulenbelt I, et al. Ann Rheum Dis, 2010 Aug 19. PMID 20724312. Deubiquitinating enzyme USP33/VDU1 is required for Slit signaling in inhibiting breast cancer cell migration. Yuasa-Kawada J, et al. Proc Natl Acad Sci U S A, 2009 Aug 25. PMID 19706539. Midline crossing and Slit responsiveness of commissural axons require USP33. Yuasa-Kawada J, et al. Nat Neurosci, 2009 Sep. PMID 19684588. Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. The deubiquitinases USP33 and USP20 coordinate beta2 adrenergic receptor recycling and resensitization. Berthouze M, et al. EMBO J, 2009 Jun 17. PMID 19424180.