

Product Datasheet

E6AP/UBE3A Antibody (2F6) - Azide and BSA Free H00007337-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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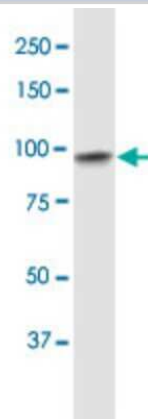
H00007337-M01

E6AP/UBE3A Antibody (2F6) - Azide and BSA Free

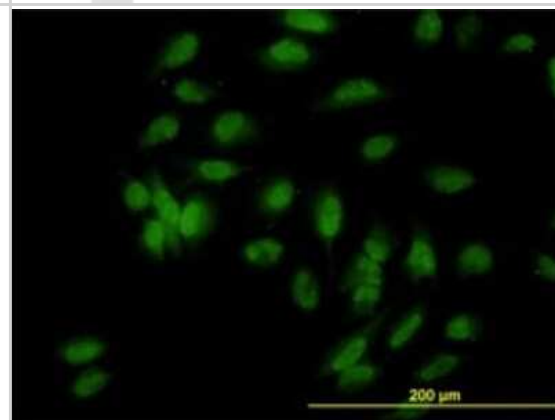
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2F6
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	7337
Gene Symbol	UBE3A
Species	Human, Mouse, Rat
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:33737669).
Specificity/Sensitivity	UBE3A - ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)
Immunogen	UBE3A (AAH09271, 51 a.a. ~ 150 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. ETFQQLITYKVISNEFNSRNLVNDDDAIVAASKCLKMVEYANVVGGEVDTNHNE EDDEEPIPESELTLQELLGEERRNKKGPRVDPLETELGVKTLDCR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Knockdown Validated
Application Notes	Use in IHC-Fr reported in scientific literature (PMID:33737669). Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.

Images

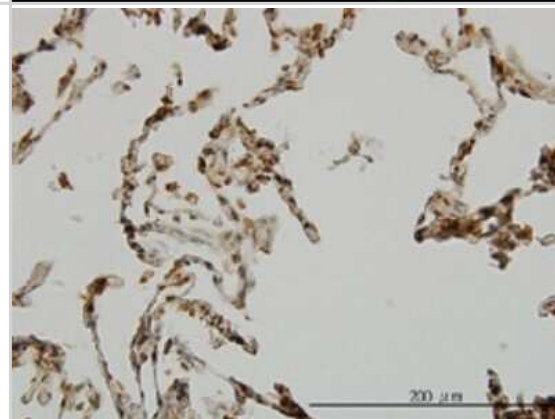
Western Blot: E6AP/UBE3A Antibody (2F6) [H00007337-M01] - UBE3A monoclonal antibody (M01), clone 2F6. Analysis of UBE3A expression in PC-12.



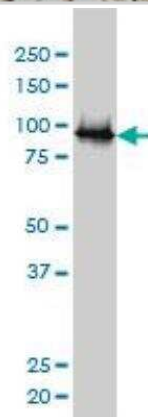
Immunocytochemistry/Immunofluorescence: E6AP/UBE3A Antibody (2F6) [H00007337-M01] - Analysis of monoclonal antibody to UBE3A on HeLa cell. Antibody concentration 10 ug/ml.



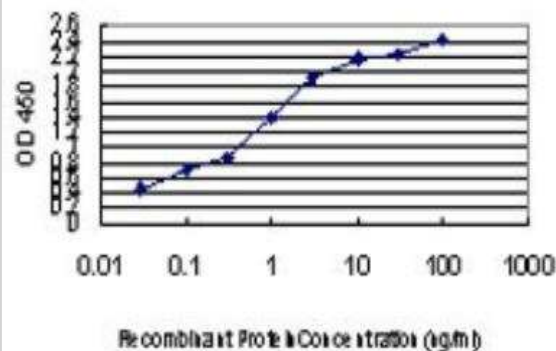
Immunohistochemistry-Paraffin: E6AP/UBE3A Antibody (2F6) [H00007337-M01] - Analysis of monoclonal antibody to UBE3A on formalin-fixed paraffin-embedded human lung. Antibody concentration 3 ug/ml.



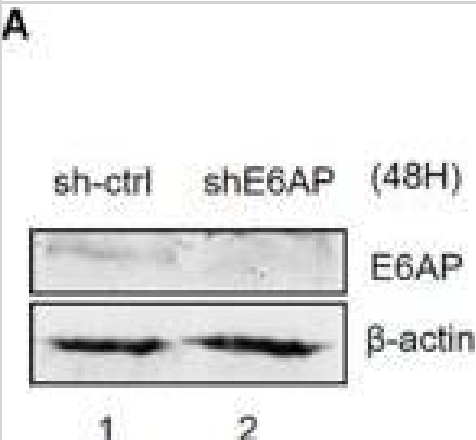
Western Blot: E6AP/UBE3A Antibody (2F6) [H00007337-M01] - UBE3A expression in Jurkat (Cat # L017V1).



ELISA: E6AP/UBE3A Antibody (2F6) [H00007337-M01] - Detection limit for recombinant GST tagged UBE3A is approximately 0.03ng/ml as a capture antibody.



Western Blot: E6AP/UBE3A Antibody (2F6) [H00007337-M01] - Effect of E6AP silencing on the stability of HPV E6. (A) E6AP knockdown was confirmed by immunoblotting. (B) HEK293T cells (E6AP-null) were transfected with HPV16 E6 or HPV18 E6. (C) After 48 h the cells were harvested, & protein levels analyzed by immunoblotting. β -actin acted as a control for transfection efficiency. (D) HEK293T cells (E6AP-null) were transfected with the indicated expression plasmids; after 36 h they were treated with 10 μ M MG132 & 12 h later, harvested & subjected to immunoprecipitation (IP) with anti-myc-conjugated agarose beads. Polyubiquitinated HPV E6 was then detected for IP with an antibody against HA. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31749782>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Sen D, Drobna Z, Keung AJ Evaluation of UBE3A antibodies in mice and human cerebral organoids Scientific reports 2021-03-18 [PMID: 33737669] (ICC/IF, WB, IHC-Fr, Mouse, Human)

Li S, Hong X, Wei Z et al. Ubiquitination of the HPV Oncoprotein E6 Is Critical for E6/E6AP-Mediated p53 Degradation Front Microbiol 2019-10-31 [PMID: 31749782] (WB, Human)

Spangle J, Ghosh-Choudhury N, Munger K. Activation of cap dependent translation by mucosal Human Papillomavirus E6 proteins is dependent on the integrity of the LXXLL binding motif J Virol 2012-05-01 [PMID: 22553330] (WB, Human)

Underbrink MP, Howie HL, Bedard KM et al. The E6 proteins from multiple beta HPV types degrade Bak protect keratinocytes from apoptosis after UVB irradiation. J Virol;82(21):10408-17. 2008-11-01 [PMID: 18715924]



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Products Related to H00007337-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00007337-P01-10ug	Recombinant Human E6AP/UBE3A GST (N-Term) Protein

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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