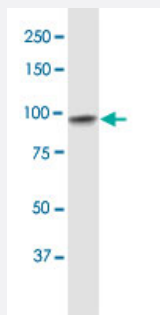


UBE3A monoclonal antibody (M01), clone 2F6

Catalog # H00007337-M01

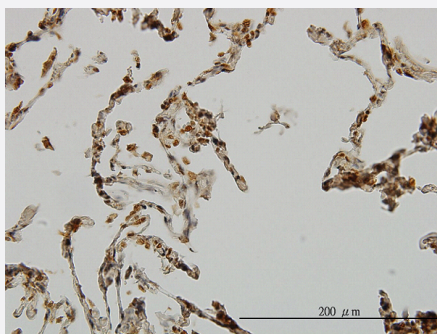
Size 100 ug

Applications



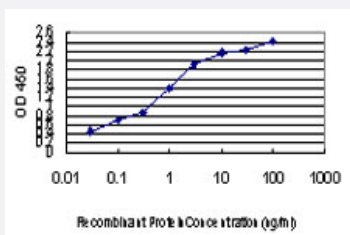
Western Blot (Cell lysate)

UBE3A monoclonal antibody (M01), clone 2F6. Western Blot analysis of UBE3A expression in PC-12.



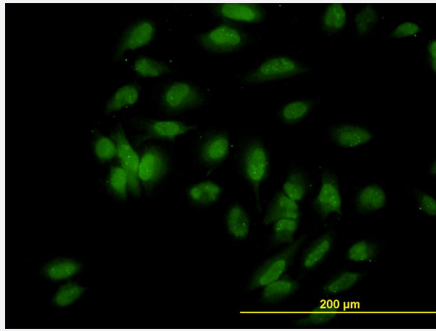
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to UBE3A on formalin-fixed paraffin-embedded human lung. [antibody concentration 3 ug/ml]



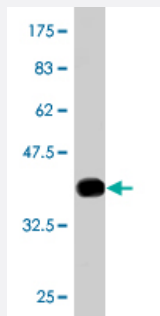
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged UBE3A is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to UBE3A on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant UBE3A.
Immunogen	UBE3A (AAH09271, 51 a.a. ~ 150 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ETFQQLITYKVISNEFNSRNLVNDDDAVAASKCLKMVMYYANVVGGEVDTNHNEEDDEEPIPESSE LTLQELLGEERRNKKGPRVDPLETELGVKTLDCR
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

UBE3A monoclonal antibody (M01), clone 2F6. Western Blot analysis of UBE3A expression in PC-12.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to UBE3A on formalin-fixed paraffin-embedded human lung. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged UBE3A is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to UBE3A on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — UBE3A

Entrez GeneID	7337
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GeneBank Accession#	BC009271
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Protein Accession#	AAH09271
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Gene Name	UBE3A
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Gene Alias	ANCR, AS, E6-AP, EPVE6AP, FLJ26981, HPVE6A
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Gene Description	ubiquitin protein ligase E3A
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Omim ID	105830 601623
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Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes an E3 ubiquitin-protein ligase, part of the ubiquitin protein degradation system. This imprinted gene is maternally expressed in brain and biallelically expressed in other tissues. Maternally inherited deletion of this gene causes Angelman Syndrome, characterized by severe motor and intellectual retardation, ataxia, hypotonia, epilepsy, absence of speech, and characteristic facies. The protein also interacts with the E6 protein of human papillomavirus types 16 and 18, resulting in ubiquitination and proteolysis of tumor protein p53. Alternative splicing of this gene results in three transcript variants encoding three isoforms with different N-termini. Additional transcript variants have been described, but their full length nature has not been determined. [provided by RefSeq]

Other Designations

CTCL tumor antigen se37-2|human papilloma virus E6-associated protein|oncogenic protein-associated protein E6-AP

Publication Reference

- [The E6 proteins from multiple beta HPV types degrade Bak and protect keratinocytes from apoptosis after UVB irradiation.](#)

Underbrink MP, Howie HL, Bedard KM, Koop JI, Galloway DA.

Journal of Virology 2008 Aug; 82(21):10408.

Application: WB, Human, Primary human foreskin keratinocytes (HFKs)

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [NARP](#)
- [Tuberculosis](#)