

## ARG44765 anti-UBE3A antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes UBE3A
Tested Reactivity	Hu
Tested Application	IHC-P, IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	UBE3A
Species	Human
Conjugation	Un-conjugated
Alternate Names	Renal carcinoma antigen NY-REN-54; E6AP ubiquitin-protein ligase; EC 6.3.2.-; Human papillomavirus E6-associated protein; E6-AP; Oncogenic protein-associated protein E6-AP; AS; Ubiquitin-protein ligase E3A; HPVE6A; EPVE6AP; ANCR

### Application Instructions

Application table	Application	Dilution
	IHC-P	1-5 µg/mL
	IP	10 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

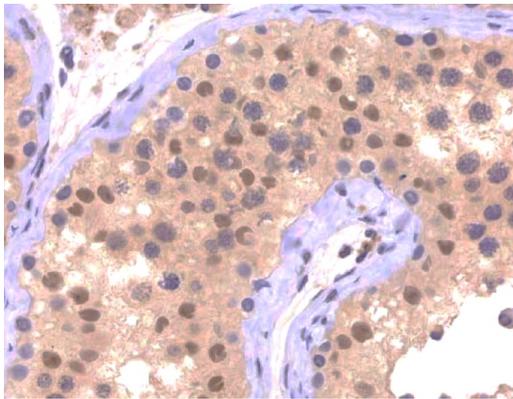
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	UBE3A
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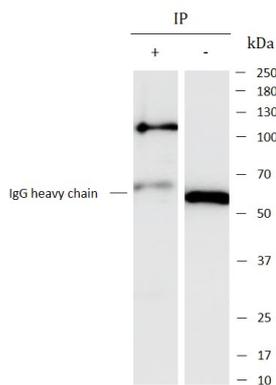
<b>Gene Full Name</b>	ubiquitin protein ligase E3A
<b>Background</b>	This gene encodes an E3 ubiquitin-protein ligase, part of the ubiquitin protein degradation system. This imprinted gene is maternally expressed in brain and biallelically expressed in other tissues. Maternally inherited deletion of 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, Jul 2008]
<b>Function</b>	Catalyzes the covalent attachment of ubiquitin to other proteins (By similarity). Specific substrate for UBA6, not charged with ubiquitin by UBE1. May be involved in apoptosis regulation. [UniProt]
<b>Calculated Mw</b>	101 kDa
<b>PTM</b>	Phosphorylation at Tyr-659 by ABL1 impairs E3 ligase activity and protects p53/TP53 from degradation in (HPV)-infected cells. [UniProt]
<b>Cellular Localization</b>	Cytoplasm. Nucleus. [UniProt]

## Images



ARG44765 anti-UBE3A antibody IHC-P image

Immunohistochemistry: Human testis stained with ARG44765 anti-UBE3A antibody at 4.7  $\mu\text{g}/\text{mL}$  dilution.



ARG44765 anti-UBE3A antibody IP image

Immunoprecipitation: K562 lysate immunoprecipitated with 2.5  $\mu\text{g}$  of ARG44765 anti-UBE3A antibody.