

UBE3A Polyclonal Antibody

Catalog No: #30079



Package Size: #30079-1 50ul #30079-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

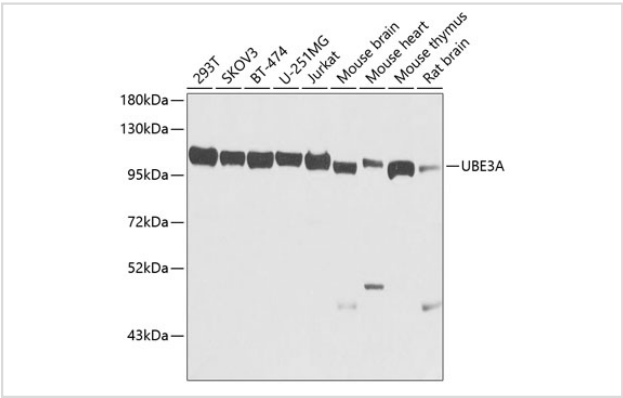
Description

Product Name	UBE3A Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human UBE3A (NP_570853.1).
Other Names	UBE3A; ANCR; AS; E6-AP; EPVE6AP; HPVE6A; ubiquitin-protein ligase E3A
Accession No.	Swiss-Prot#:Q05086NCBI Gene ID:7337
Uniprot	Q05086
GeneID	7337;
Calculated MW	110kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

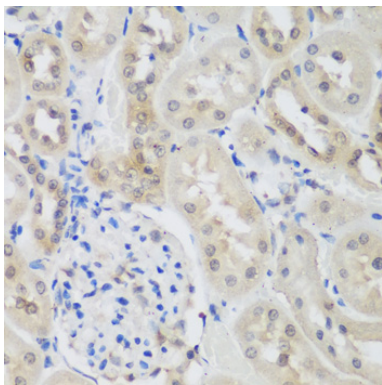
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200

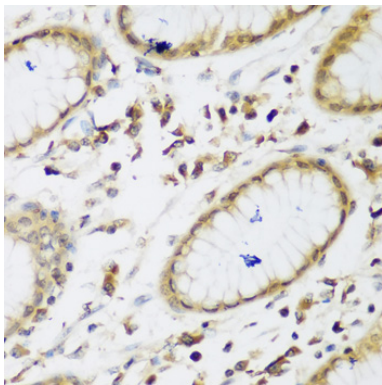
Images



Western blot analysis of extracts of various cell lines, using UBE3A at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat kidney using UBE3A at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric using UBE3A at dilution of 1:200 (40x lens).

Background

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.

Note: This product is for in vitro research use only