

DATASHEET

Version: 2016-08-17

UBE3A antibody, pAb, Rabbit

Cat. No.: A01603-40**Size:** 40 µg**Synonyms:** Ubiquitin protein ligase E3A Antibody;**Description:**

UBE3A (Ubiquitin protein ligase E3A) is one member of the E3 ubiquitin-protein ligase family which plays a role in defining the substrate specificity of the ubiquitin-proteasome degradation system. UBE3A can interact directly with the growth and tumor-suppressive protein, p53 or indirectly as part of a human papillomavirus type 16 or 18 E6 protein complex. Mutations within the UBE3A gene are responsible for some cases of Angelman syndrome. Alternative splicing of UBE3A gene results in three transcript variants encoding three isoforms with different N-termini.

GenScript **UBE3A antibody** is developed in rabbit using a KLH-coupled synthetic peptide from N-terminal of human UBE3A (Swiss Prot: Q05086).

Immunogen: KLH-coupled synthetic peptide from N-terminal of human UBE3A (Swiss Prot: Q05086)

Host: Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Predicated Band Size:**

101 KD

Observed Band Size:

75 KD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Example**Ig Subclass:** Rabbit IgG

Specificity: **UBE3A Antibody** detects endogenous levels of human and mouse UBE3A.

Positive Control: HeLa, A549, HepG2, HT29 and mouse brain tissue

Purification: Immunoaffinity chromatography**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 0.5-1 µg/ml**Flow cytometry:** 1-3 µg for 1×10^6 cells

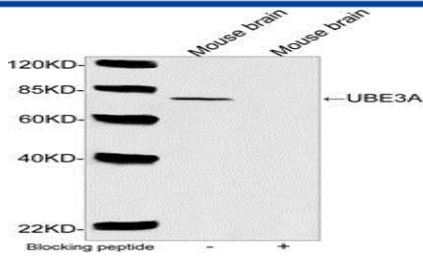
Immunohistochemistry: 5-10 µg/ml **Other Applications:** user optimized

Species Reactivity: Human and Mouse**Reconstitution:**

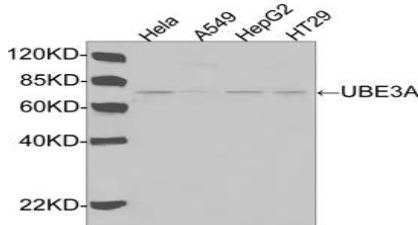
Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

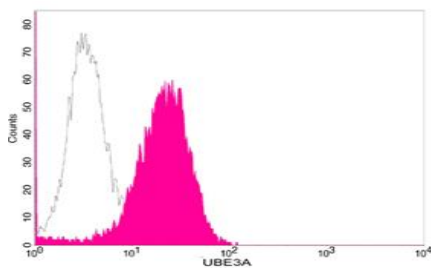
The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



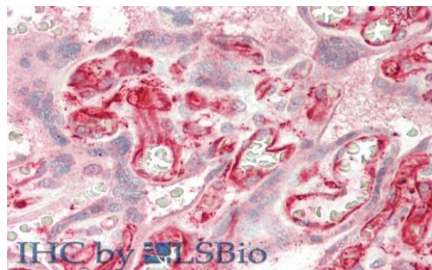
Western blot analysis of tissue lysates using UBE3A Antibody (GenScript, A01603, 1 µg/ml)
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.
Predicted Size: 101 KD
Observed Size: 75 KD



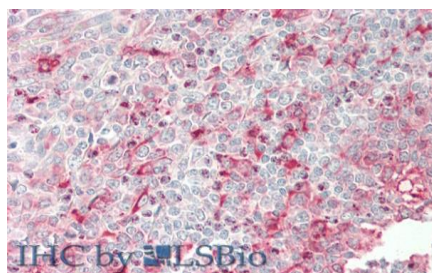
Western blot analysis of cell lysates using UBE3A Antibody (GenScript, A01603, 1 µg/ml)
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.
Predicted Size: 101 KD
Observed Size: 75 KD



Flow cytometric analysis of HEK293 cells using UBE3A Antibody (GenScript, A01603; shaded histogram) or with an isotype control antibody (GenScript, A01008; open histogram), followed by R-PE conjugated anti-rabbit IgG.



Immunohistochemistry analysis of human placenta tissue slide (Paraffin embedded) using UBE3A antibody, pAb, Rabbit (GenScript, Cat.No. A01603, 10 µg/ml)



Immunohistochemistry analysis of human tonsil tissue slide (Paraffin embedded) using UBE3A antibody, pAb, Rabbit (GenScript, Cat.No. A01603, 10 µg/ml)