

Rabbit anti-Human TBA1A Polyclonal Antibody | anti-TUBA1A antibody

Anti-TBA1A Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259511	Rabbit	Human	Immunoprecipitation, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

TBA1A; Polyclonal Antibody; Anti-TBA1A Antibody; Rabbit Polyclonal; TBA1A Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-B-ALPHA-1 Antibody; Anti-FLJ25113 Antibody; Anti-LIS3 Antibody; Anti-TUBA3 Antibody; anti-TUBA1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TBA1A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TUBA1A antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human TBA1A
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human TBA1A, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IP (Immunoprecipitation)

TUBA1A was immunoprecipitated using: Lane A:0.5 mg Jurkat Whole Cell Lysate Lane B:0.5 mg HepG2 Whole Cell Lysate 4 uL anti-TUBA1A rabbit polyclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-TUBA1A rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 50 kDa Observed band size :55 kDa



IF (Immunofluorescence)

Immunofluorescence staining of HPV16-SMCC-SinoA11694 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human HPV16-SMCC-SinoA11694 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm.



WB (Western Blot)

Anti-TBA1A rabbit polyclonal antibody at 1:500 dilution Lane A: Jurkat Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lysates/proteins at 30ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 50 kDa Observed band size: 55 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TUBA1A antibody	TUBA1A is a highly-conserved gene with few changes among eukaryotes and few polymorphic variants in human populations. TUBA1A encodes the tubulin alpha-1A chain, a protein that is highly expressed in the cerebral cortex, hippocampus, cerebellum, and brainstem of the developing fetal brain, with a decrease in postnatal and adult stages. Alpha- and beta-tubulin subunits form dimers, which then co-assemble into microtubule polymers: dynamic, scaffold-like structures that perform key functions during neurogenesis, neuronal migration, and cortical organization. Microtubules are dynamic polymers that perform a range of mechanical tasks within the cell. Mutations in TUBA1A have been reported to cause a range of brain malformations.
References	Gardne. JF. e. al. (2018). Clinica. an. functiona. characterizatio. o. th. recurren. tuba1. p.(arg2his. mutation. Brai. Sc. . (8). 145.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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