

Rabbit anti-Human RTN3 Polyclonal Antibody | anti-RTN3 antibody

Anti-RTN3 Antibody, Rabbit Polyclonal

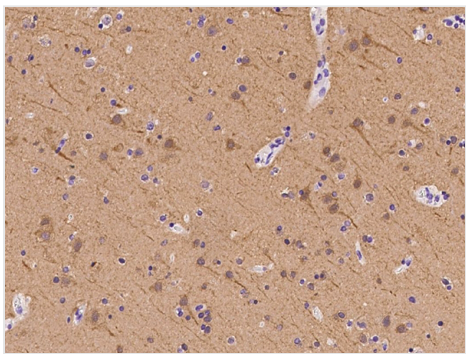
CATALOG # AAA256605	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

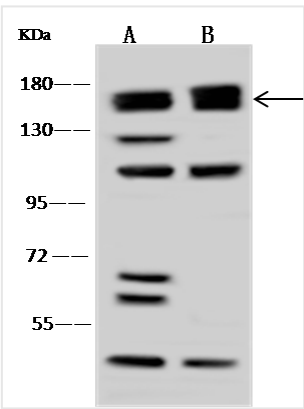
RTN3; Polyclonal Antibody; Anti-RTN3 Antibody; Rabbit Polyclonal; RTN3 Antibody; Rabbit PAb; Antigen Affinity Purified; reticulon 3; Anti-ASYIP Antibody; Anti-HAP Antibody; Anti-NSPL2 Antibody; Anti-NSPLII Antibody; Anti-RTN3-A1 Antibody; anti-RTN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RTN3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RTN3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human RTN3 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human RTN3 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 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. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human RTN3 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-RTN3 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: U-251 MG Whole Cell Lysate Lysates/proteins at 30 ug 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: 113 kDa Observed band size: 150 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-RTN3 antibody	Reticulon 3 (RTN3), which is a member of the reticulon family of proteins, has a biochemical function of shaping the tubular endoplasmic reticulum. RTN3, as a member of the reticulon family, is generally regarded as a novel human apoptosis-inducing protein. RTN3 has also been found to interact with beta-site amyloid precursor protein cleaving enzyme 1 (BACE1), which initiates the generation of beta-amyloid peptides (Abeta) from the amyloid precursor protein. Abeta is the major proteinaceous component in neuritic plaques, which constitute one of the major pathological features in the brains of Alzheimer's disease (AD) patients. RTN3 has been shown to mark a distinct and abundant population of dystrophic neurites named RTN3 immunoreactive dystrophic neurites (RIDNs) in patients' brains with Alzheimer's disease (AD).
References	Zou Y, et al. (2018) Identification of rare rtn3 variants in alzheimer's disease in han chinese. Hum Genet 137 (2): 141-150. Xiang R, et al. (2009) Rtn3 inducing apoptosis is modulated by an adhesion protein creld1. Mol Cell Biochem 331 (1-2): 225-230. Sharoar MG, et al. (2017) Effects of altered rtn3 expression on bace1 activity and alzheimer's neuritic plaques. Rev Neurosci 28 (2): 145-154.

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.