

RTN3 Polyclonal Antibody

Catalog number: 12055-2-AP

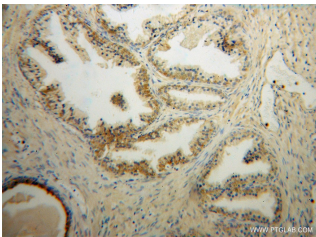
Size: 20 µg/150 µl

Source: Rabbit

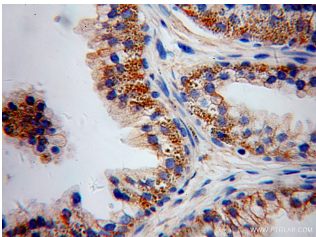
Isotype: IgG

Synonyms:

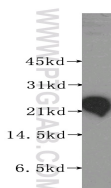
RTN3; ASYIP, HAP, NSP like protein 2, NSP like protein II, NSPL2, NSPLII, reticulon 3, RTN3, RTN3 A1



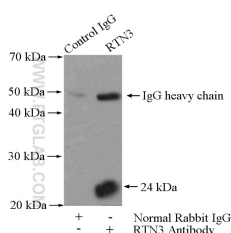
Immunohistochemical of paraffin-embedded human gliomas using 12055-2-AP (RTN3 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human gliomas using 12055-2-AP (RTN3 antibody) at dilution of 1:50 (under 40x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 12055-2-AP (RTN3 antibody) at dilution of 1:400



IP Result of anti-RTN3

Background

Reticulon (RTN) proteins are a group of membrane-bound proteins that largely reside in endoplasmic reticulum (ER). Reticulon proteins share a common sequence feature, the reticulon homology domain (RHD). Four mammalian reticulons (RTN1-4) exist. Reticulon3 (RTN3) is highly expressed in neurons. RTN3 has been shown to modulate secretory pathway protein trafficking. It is a negative modulator of BACE1 (β-secretase) proteolytic activity. RTN3 may induce caspase-8 cascade and apoptosis and may favor BCL2 translocation to the mitochondria upon endoplasmic reticulum stress.

Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated RTN3 MW:	113 kDa
Observed RTN3 MW:	24kd, 110-113kd
Positive WB detected in:	HeLa cells, human brain tissue
Positive IP detected in:	HeLa cells
Positive IHC detected in:	Human gliomas tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:1000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2685
GenBank accession number:	BC011394
Gene ID (NCBI):	10313
Full name:	Reticulon 3

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**(IP:12055-2-AP, 4ug;
Detection:12055-2-AP 1:400)
with HeLa cells lysate 2000ug.**