

## TRIM9 Polyclonal Antibody

Catalog number: 10786-1-AP

Size: 41 µg/150 µl

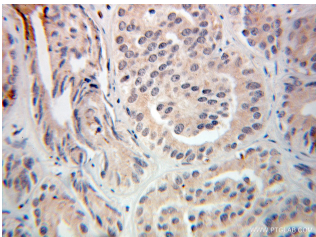
Source: Rabbit

Isotype: IgG

Synonyms:

TRIM9; KIAA0282, RING finger protein 91, RNF91, SPRING,

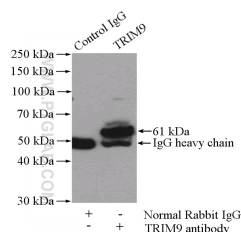
TRIM9, tripartite motif containing 9



Immunohistochemical of paraffin-embedded human prostate cancer using 10786-1-AP (TRIM9 antibody) at dilution of 1:100 (under 25x lens)



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10786-1-AP (TRIM9 antibody) at dilution of 1:1000



IP Result of anti-TRIM9 (IP:10786-1-AP, 4µg; Detection:10786-1-AP 1:1000) with mouse brain tissue lysate 4000µg.

### Background

TRIM9 (E3 ubiquitin-protein ligase TRIM9) is also named as RNF91 and belongs to the TRIM/RBCC family. TRIM9 protein is a brain-specific E3 ubiquitin ligase. Importantly, TRIM9 is present in LBs found in DLB and PD, suggesting that TRIM9 not only plays roles in the regulation of neuronal functions, but also participates in the formation or breakdown of abnormal inclusions through its ligase activity and besides the striatum and hippocampus, the highest expression of TRIM9 protein is seen in the frontal, temporal and occipital cortices through the western blot (PMID:20085810). It has been reported that TRIM9 is highly expressed in the cerebral cortex in mouse and human brains and that TRIM9 is decreased in damaged brains in patients who have Parkinson disease and dementia with Lewy bodies (PMID:22337885). It has 3 isoforms produced by alternative splicing.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated TRIM9 MW:	80 kDa
Observed TRIM9 MW:	90 kDa, 61 kDa
Positive WB detected in	Mouse brain tissue, HepG2 cells
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human prostate cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200

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

### Immunogen information

Immunogen:	Ag1238
GenBank accession number:	BC013414
Gene ID (NCBI):	114088
Full name:	Tripartite motif-containing 9

### Product information

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