

PNPT1 Polyclonal Antibody

Catalog number: 14487-1-AP

Size: 56 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

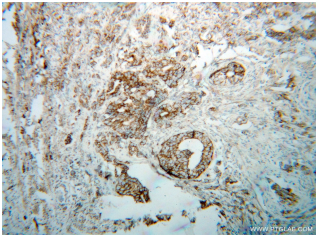
PNPT1; 3 5 RNA exonuclease

OLD35, DKFZp762K1914, old

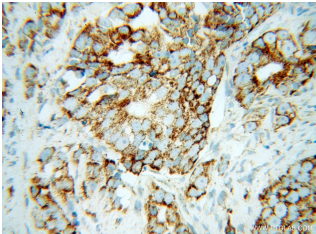
35, OLD35, PNPASE, PNPase 1,

PNPase old 35, PNPT1,

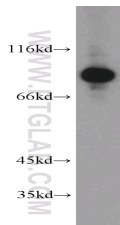
Polynucleotide phosphorylase 1



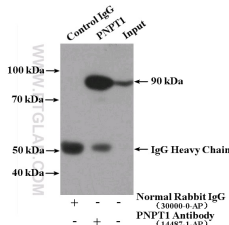
Immunohistochemical of paraffin-embedded human gliomas using 14487-1-AP (PNPT1 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human gliomas using 14487-1-AP (PNPT1 antibody) at dilution of 1:100 (under 40x lens)



human brain tissue were subjected to SDS PAGE followed by western blot with 14487-1-AP (PNPT1 antibody) at dilution of 1:1500



Background

PNPT1 (polynucleotide phosphorylase1; also known as PNPASE) localizes in the mitochondrial intermembrane and regulates RNA import into mitochondria (20691904). PNPT1 is also involved in mRNA degradation. As a type I IFN-inducible gene, PNPT1 plays an essential role in mediating IFN-mediated growth inhibition and inflammatory processes (17804700). Recently mutation in PNPT1 has been reported to cause hereditary hearing loss (23084290). This antibody detected the endogenous PNPT1 around 80 kDa in mouse brain.

Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated PNPT1 MW:	86 kDa
Observed PNPT1 MW:	90 kDa
Positive WB detected in	Human brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human gliomas tissue, human brain tissue, human kidney tissue, human lung tissue, human placenta tissue, human skin tissue, human spleen tissue, human testis 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:	Ag5888
GenBank accession number:	BC053660
Gene ID (NCBI):	87178
Full name:	Polyribonucleotide nucleotidyltransferase 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

IP Result of anti-PNPT1
(IP:14487-1-AP, 4ug;
Detection:14487-1-AP 1:1000)
with mouse brain tissue lysate
4000ug.