

## TPTE Polyclonal Antibody

Catalog number: 12982-1-AP

Size: 32 µg/150 µl

Source: Rabbit

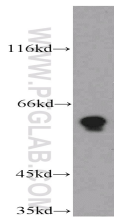
Isotype: IgG

Synonyms:

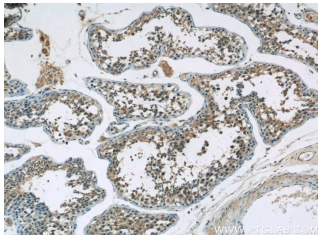
TPTE; Cancer/testis antigen 44,

CT44, PTEN2, TPTE, Tumor

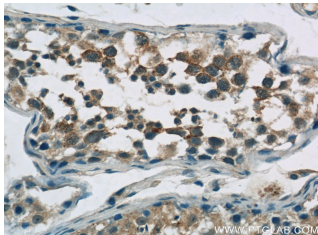
antigen BJ HCC 5



HepG2 cells were subjected to SDS PAGE followed by western blot with 12982-1-AP (TPTE antibody) at dilution of 1:500



Immunohistochemistry of paraffin-embedded human testis tissue slide using 12982-1-AP (TPTE Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human testis tissue slide using 12982-1-AP (TPTE Antibody) at dilution of 1:50 (under 40x lens)

### Background

TPTE (Transmembrane phosphatase with tensin homology) is also named as CT44, BJ-HCC-5 and belongs to the non receptor class of the protein-tyrosine phosphatase family. The gene encodes a predicted polypeptide of 551 amino acids with at least 2 potential transmembrane domains and a tyrosine phosphatase motif. TPTE may be involved in the signal transduction pathways of the endocrine or spermatogenic function of the testis (PMID:10598804). It is putatively involved in linking the cell membrane to cytoskeleton. This protein is very similar in sequence to PTEN through the phosphatase and C2 domains, but lacks a PDZ binding motif and an extensively phosphorylated C-terminal tail (PMID:17240336). It has 4 isoforms produced by alternative splicing.

### Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human; other species not tested.
Calculated TPTE MW:	62 kDa; 64 kDa
Observed TPTE MW:	62kd, 64kd
Positive WB detected in	HepG2 cells, BxPC-3 cells, HEK-293 cells, human testis tissue
Positive IHC detected in	Human testis tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

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

### Immunogen information

Immunogen:	Ag3606
GenBank accession number:	BC028719
Gene ID (NCBI):	7179
Full name:	Transmembrane phosphatase with tensin homology

### Product information

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