



Rabbit Anti-TPTE antibody

SL7955R

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| Product Name: | TPTE |
| Chinese Name: | Tumour/睾丸抗原44抗体 |
| Alias: | Cancer/testis antigen 44; CT44; EC=3.1.3.48; HGNC:12023; PTEN2; Putative tyrosine protein phosphatase; Putative tyrosine-protein phosphatase TPTE; TPTE; TPTE_HUMAN; Transmembrane phosphatase with tensin homology; Tumor antigen BJ HCC 5; Tumor antigen BJ-HCC-5. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Cow,Rabbit,Sheep, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 64kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human TPTE:241-310/551 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | TPTE is a 551 amino acid multi-pass membrane protein belonging to the PTEN-related family that is exclusively expressed in the testis and localizes to the plasma membrane in humans. The gene encoding TPTE is present in multiple copies in the human genome, some of which may be pseudogenes. TPTE contains one C2 tensin-type |

domain and one phosphatase tensin-type domain but, in humans, it does not exhibit phosphatase activity. However, the mouse ortholog (PTEN2) is a functional 3-phosphoinositide phosphatase that localizes to the Golgi apparatus and plays a possible role in signal transduction. In humans, four isoforms, namely TPTE α , TPTE β , TPTE γ and TPTE δ , are produced by alternative splicing of this gene.

Function:

Could be involved in signal transduction.

Subcellular Location:

Membrane; Multi-pass membrane protein.

Tissue Specificity:

Exclusively expressed in testis.

Similarity:

Contains 1 C2 tensin-type domain.

Contains 1 phosphatase tensin-type domain.

SWISS:

P56180

Gene ID:

7179

Database links:

[Entrez Gene: 7179](#) Human

[Omim: 604336](#) Human

[SwissProt: P56180](#) Human

[Unigene: 122986](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.