

Rabbit anti-Human TPTEa Polyclonal Antibody | anti-TPTE antibody

TPTEa Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289178	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

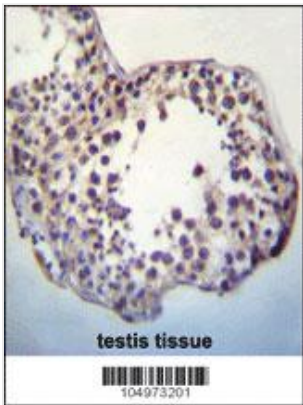
PRODUCT SYNONYMS

TPTEa; Polyclonal Antibody; TPTEa Antibody (N-term); Putative tyrosine-protein phosphatase TPTE; Cancer/testis antigen 44; CT44; Transmembrane phosphatase with tensin homology; Tumor antigen BJ-HCC-5; TPTE; anti-TPTE antibody

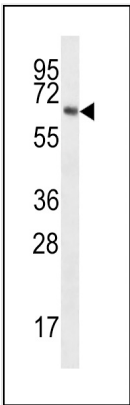
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TPTEa antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-74 amino acids from the N-terminal region of human TPTEa.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.47 (varies by lot)
Sequence Positions	42-74
Sequence Length	533
Applicable Applications for anti-TPTE antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
TPTEa Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TPTEa Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
TPTEa Antibody (E57) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the TPTEa antibody detected the TPTEa protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TPTE antibody	Ubiquitin is a 76 amino acid highly conserved eukaryotic polypeptide that selectively marks cellular proteins for proteolytic degradation by the 26S proteasome. The process of target selection, covalent attachment and shuttle to the 26S proteasome is a vital means of regulating the concentrations of key regulatory proteins in the cell by limiting their lifespans. Polyubiquitination is a common feature of this modification. Serial steps for modification include the activation of ubiquitin, an ATP-dependent formation of a thioester bond between ubiquitin and the enzyme E1, transfer by transacylation of ubiquitin from E1 to the ubiquitin conjugating enzyme E2, and covalent linkage to the target protein directly by E2 or via E3 ligase enzyme. Deubiquitination enzymes also exist to reverse the marking of protein substrates. Posttranslational tagging by Ub is involved in a multitude of cellular processes, including the cell cycle, cell growth and differentiation, embryogenesis, apoptosis, signal transduction, DNA repair, regulation of transcription and DNA replication, transmembrane transport, stress responses, the immune response, and nervous system functions.
Product Categories/Family for anti-TPTE antibody	Cancer; Cell Biology; Signal transduction
References	Hattori, M., et al., Nature 405(6784):311-319 (2000). Chen, H., et al., Hum. Genet. 105(5):399-409 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	40549433
NCBI GeneID	7179
NCBI Accession #	NP_954868.1; NP_954869.1; NP_954870.2
NCBI GenBank Nucleotide #	NM_199259.3
UniProt Accession #	P56180; Q6XPS4; Q6XPS5; Q71JA8; Q8NCS8; B2RAP7; C9J6D6; C9JKK8
Molecular Weight	64322
NCBI Official Full Name	putative tyrosine-protein phosphatase TPTE isoform beta
NCBI Official Synonym Full Names	transmembrane phosphatase with tensin homology
NCBI Official Symbol	TPTE
NCBI Official Synonym Symbols	CT44; PTEN2
NCBI Protein Information	putative tyrosine-protein phosphatase TPTE

UniProt Protein Name	Putative tyrosine-protein phosphatase TPTE
UniProt Gene Name	TPTE
UniProt Synonym Gene Names	CT44
UniProt Entry Name	TPTE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tptea-antibody-immunohistochemistry-western-blot-elisa/289178>