10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TENT5A Rabbit pAb

Catalog # AP99007

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q96IP4
Other Accession	Q96IP4
Predicted	Rat, Human, Mouse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49666
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TENT5A
Epitope Specificity	201-300/442
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the FAM46 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Making up nearly 6% of the human genome, chromosome 6 contains around 1,200 genes within 170 million base pairs of sequence. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer suggesting the presence of a cancer susceptibility locus. Porphyria cutanea tarda is associated with chromosome 6 through the HFE gene which, when mutated, predisposes an individual to developing this porphyria. Notably, the PARK2 gene, which is associated with Parkinson's disease, and the genes encoding the major histocompatiblity complex proteins, which are key molecular components of the immune system and determine predisposition to rheumatic diseases, are also located on chromosome 6. Stickler syndrome, 21-hydroxylase deficiency and maple syrup urine disease are also associated with genes on chromosome 6. A bipolar disorder susceptibility locus has been identified on the q arm of chromosome 6. The FAM46A gene product has been provisionally designated FAM46A pending further characterization.

Additional Information

Gene ID	55603
Other Names	C6orf37; FAM46A; OI18; XTP11; BAP014; D930050G01Rik; TET5A_HUMAN; TENT5A; HBV X-transactivated gene 11 protein; HBV XAg-transactivated protein 11; 2.7.7.19; terminal nucleotidyltransferase 5A; chromosome 6 open reading frame 37; family with sequence similarity 46 member A
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	TENT5A (HGNC:18345)
Function	Cytoplasmic non-canonical poly(A) RNA polymerase that catalyzes the transfer of one adenosine molecule from an ATP to an mRNA poly(A) tail bearing a 3'-OH terminal group and participates in the cytoplasmic polyadenylation (PubMed:33882302). Polyadenylates mRNA encoding extracellular matrix constituents and other genes crucial for bone mineralization and during osteoblast mineralization, mainly focuses on ER-targeted mRNAs (By similarity).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:D3Z5S8}.
Tissue Location	Widely expressed, with preferential expression observed in the retina compared to other ocular tissues (PubMed:12054608). Also expressed in osteoblasts (PubMed:29358272)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.