

C17orf97 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP59328

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6ZQX7
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49656
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C17orf97
Epitope Specificity	65-170/453
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C17orf97 is a 453 amino acid protein that exists as four alternatively spliced isoforms and is encoded by a gene mapping to human chromosome 17. Chromosome 17 makes up over 2.5% of the human genome with about 81 million bases encoding over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes. Chromosome 17 is also linked to neurofibromatosis, a condition characterized by neural and epidermal lesions, and dysregulated Schwann cell growth. Alexander disease, Birt-Hogg-Dube syndrome and Canavan disease are also associated with chromosome 17.

Additional Information

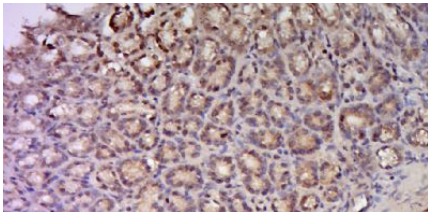
Gene ID	400566
Other Names	Protein LIAT1, Ligand of ATE1 protein, LIAT1 {ECO:0000305}, C17orf97 {ECO:0000312 HGNC:HGNC:33800}
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

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	LIAT1 (HGNC:33800)
Function	Participates in nucleolar liquid-liquid phase separation (LLPS) through its N-terminal intrinsically disordered region (IDR). May be involved in ATE1-mediated N-terminal arginylation.
Cellular Location	Nucleus, nucleolus. Cytoplasm. Note=Shuttles between the cytoplasm and nucleoplasm, a significant portion localizes to the nucleolus.

Images



Paraformaldehyde-fixed, paraffin embedded (Rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (C17orf97) Polyclonal Antibody, Unconjugated (AP59328) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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