

C17orf42 Rabbit pAb

Catalog # AP97801

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8IXM2
Other Accession	Q8IXM2
Reactivity	Rat, Human
Predicted	Pig, Mouse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17900
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C17orf42
Epitope Specificity	51-150/360
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 SANT domain.
SUBUNIT	Component of some MLL1/MLL complex, at least composed of the core components MLL, ASH2L, HCFC1/HCF1, WDR5 and RBBP5, as well as the facultative components BAP18, CHD8, E2F6, HSP70, INO80C, KANSL1, LAS1L, MAX, MCRS1, MGA, KAT8/MOF, PELP1, PHF20, PRP31, RING2, RUVB1/TIP49A, RUVB2/TIP49B, SENP3, TAF1, TAF4, TAF6, TAF7, TAF9 and TEX10. Component of the nucleosome-remodeling factor (NURF) complex.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C17orf49 is a 172 amino acid protein that 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	124944
Other Names	BAP18; C17orf49; HEPIS; BAP18_HUMAN; BACC1; BPTF-associated protein of

18 kDa; Chromatin complexes subunit BAP18; transcription elongation factor, mitochondrial; chromosome 17 open reading frame 42

Dilution WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

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 BACC1 ([HGNC:28737](#))

Synonyms BAP18, C17orf49

Function Component of chromatin complexes such as the MLL1/MLL and NURF complexes.

Cellular Location Nucleus.

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