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LETMD1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58350

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q6P1Q0
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41790

Additional Information

Gene ID	25875
Other Names	LETM1 domain-containing protein 1, Cervical cancer 1 proto-oncogene protein p40, Cervical cancer proto-oncogene 2 protein, HCCR-1, HCRR-2, LETMD1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	LETMD1 (HGNC:24241)
Function	Plays an essential role for mitochondrial structure and function, as well as thermogenesis of brown adipocytes. In brown adipose tissue also localizes in the nucleus where it interacts with the chromatin remodeler SMARCA4 to regulate thermogenic genes expression, such as UCP1 (By similarity). May regulate phagocytosis and inflammatory responses to lipopolysaccharide in macrophages (PubMed:31980577). Involved in tumorigenesis and may function as a negative regulator of the p53/TP53 (PubMed:12879013).
Cellular Location	Mitochondrion outer membrane; Single-pass membrane protein. Nucleus {ECO:0000250|UniProtKB:Q924L1}. Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q924L1}; Single-pass membrane protein
Tissue Location	Kidney, liver, skeletal muscle, heart and brain. Overexpressed in various tumors including leukemia, lymphoma, and carcinomas of the breast, kidney, ovary, stomach, colon and uterine cervix.

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