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FATE1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20657c

Product Information

Application	WB, E
Primary Accession	Q969F0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB49594
Calculated MW	20712

Additional Information

Gene ID	89885
Other Names	Fetal and adult testis-expressed transcript protein, Cancer/testis antigen 43, CT43, Tumor antigen BJ-HCC-2, FATE1, FATE
Target/Specificity	This FATE1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 107-140 amino acids from the Central region of human FATE1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FATE1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

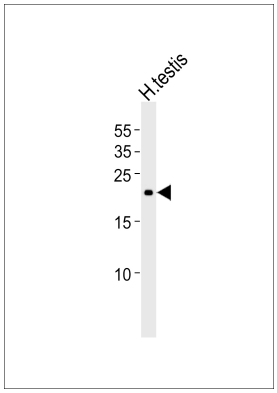
Name	FATE1
Synonyms	FATE
Function	Involved in the regulation of endoplasmic reticulum (ER)- mitochondria coupling. Negatively regulates the ER-mitochondria distance and Ca(2+) transfer from ER to mitochondria possibly implicating it in the regulation of

	apoptosis (PubMed:27402544). May collaborate with RNF183 to restrain BIK protein levels thus regulating apoptotic signaling (PubMed:26567849).
Cellular Location	Mitochondrion. Mitochondrion outer membrane. Endoplasmic reticulum membrane; Single-pass membrane protein; Cytoplasmic side Note=Localized to specific membrane structures termed mitochondria- associated membranes (MAMs) which connect the endoplasmic reticulum (ER) and the mitochondria. Also associated with the outer surface of mitochondria at sites that are not in close contact with the ER
Tissue Location	Testis-specific in fetus (aged from 6 to 11 weeks). In adult, expressed predominantly in testis, with some expression in lung, heart, kidney, adrenal gland and whole brain (PubMed:11694338) Highly expressed in certain types of cancer tissues such as hepatocellular carcinoma, colon and gastric cancer. Weakly expressed in normal pancreas (PubMed:12865919).

References

Olesen C.,et al.Mol. Cell. Endocrinol. 184:25-32(2001).
Dong X.-Y.,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Olesen C.,et al.Hum. Genet. 113:195-201(2003).

Images



Western blot analysis of lysate from human testis tissue lysate, using FATE1 Antibody (Center)(Cat. #AP20657c). AP20657c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

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