

Anti-ALKB7 antibody



Description	Unconjugated Rabbit polyclonal to ALKB7
Model	STJ190427
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human ALKB7 protein.
Immunogen Region	10-90aa
Gene ID	84266
Gene Symbol	ALKBH7
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	ALKB7 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Widely expressed, with highest expression in pancreas, followed by spleen, prostate, ovary and placenta.
Purification	ALKB7 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 7, mitochondrial Alkylated DNA repair protein alkB homolog 7 Spermatogenesis cell proliferation-related protein Spermatogenesis-associated protein 11
Molecular Weight	24 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:21306OMIM:613305
Alternative Names	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 7, mitochondrial Alkylated DNA repair protein alkB homolog 7 Spermatogenesis cell proliferation-related protein Spermatogenesis-associated protein 11
Function	May function as protein hydroxylase; can catalyze auto-hydroxylation at Leu-110 (in vitro), but this activity may be due to the absence of the true substrate . Required to induce programmed necrosis in response to DNA damage caused by cytotoxic alkylating agents. Acts by triggering the collapse of mitochondrial membrane potential and loss of mitochondrial function that leads to energy depletion and cell death . ALKBH7-mediated necrosis is probably required to prevent the accumulation of cells with DNA damage . Does not display DNA demethylase activity . Involved in fatty acid metabolism .
Cellular Localization	Mitochondrion matrix

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