

Product datasheet for **TA373466**

ALKBH8 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:100 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human ALKBH8 (NP_620130.2).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	25kDa/27kDa/75kDa
Gene Name:	alkB homolog 8, tRNA methyltransferase
Database Link:	Entrez Gene 91801 Human Q96BT7



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Background:

Catalyzes the methylation of 5-carboxymethyl uridine to 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in tRNA via its methyltransferase domain. Catalyzes the last step in the formation of 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in target tRNA. Has a preference for tRNA(Arg and tRNA(Glu, and does not bind tRNA(Lys(PubMed:20308323. Binds tRNA and catalyzes the iron and alpha-ketoglutarate dependent hydroxylation of 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in tRNA via its dioxygenase domain, giving rise to 5-(S-methoxycarbonylhydroxymethyluridine; has a preference for tRNA(Gly. Required for normal survival after DNA damage. May inhibit apoptosis and promote cell survival and angiogenesis.

Synonyms:

ABH8; FLJ38204; MGC10235; OTTHUMP00000211286; OTTHUMP00000211287