

## Product datasheet for **AP46320PU-N**

### ALKBH1 (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blotting (0.2 - 1 µg/ml).
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a N-terminal region of human ALKBH1
Formulation:	State: Aff - Purified State: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Immunoaffinity column
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	ALX1: 37 kDa
Gene Name:	alkB homolog 1, histone H2A dioxygenase
Database Link:	<a href="#">Entrez Gene 8846 Human Q13686</a>
Background:	ALKBH1 is a dioxygenase that repairs alkylated single-stranded DNA and RNA containing 3-methylcytosine by oxidative demethylation. This requires molecular oxygen, alpha-ketoglutarate and iron. ALKBH1 may have a role in placental trophoblast lineage differentiation, has DNA lyase activity and introduces double-stranded breaks at abasic sites. It cleaves both single-stranded DNA and double-stranded DNA at abasic sites, with the greatest activity towards double-stranded DNA with two abasic sites. DNA lyase activity does not require alpha-ketoglutarate and iron.
Synonyms:	ALKBH, ABH



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**Product images:**

Human Fetal Kidney; WB Suggested Anti-ALKBH1 Antibody. Titration: 1.0 ug/ml. Positive Control: Fetal Kidney; ALKBH1 antibody - N-terminal region (AP46320PU-N) in Human Fetal Kidney cells using Western Blot