

**ARG57318**  
anti-ALKBH7 antibodyPackage: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ALKBH7
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ALKBH7
Species	Human
Immunogen	Recombinant Protein of Human ALKBH7.
Conjugation	Un-conjugated
Alternate Names	Spermatogenesis-associated protein 11; SPATA11; UNQ6002; Alkylated DNA repair protein alkB homolog 7; ABH7; EC 1.14.11.-; Spermatogenesis cell proliferation-related protein; Alpha-ketoglutarate-dependent dioxygenase alkB homolog 7, mitochondrial

### Application Instructions

Application table	Application	Dilution
	WB	1:200 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse eye	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

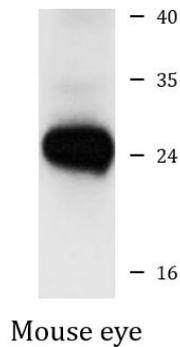
## Bioinformation

---

Gene Symbol	ALKBH7
Gene Full Name	alkB, alkylation repair homolog 7 (E. coli)
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 (By similarity). [UniProt]
Calculated Mw	25 kDa

## Images

---



ARG57318 anti-ALKBH7 antibody WB image

Western blot: Mouse eye lysate stained with ARG57318 anti-ALKBH7 antibody.