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Datasheet for ABIN6977789

## anti-ALKBH5 antibody (AA 1-100) (AbBy Fluor® 488)

### Overview

Quantity:	100 µL
Target:	ALKBH5
Binding Specificity:	AA 1-100
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALKBH5 antibody is conjugated to AbBy Fluor® 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ALKBH5
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	ALKBH5
Alternative Name:	ALKBH5 ( <a href="#">ALKBH5 Products</a> )

## Target Details

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**Background:** Synonyms: ABH5, AlkB, alkylation repair homolog 5 (E. coli), AlkB, alkylation repair homolog 5, Alkylated DNA repair protein alkB homolog 5, Alpha ketoglutarate dependent dioxygenase alkB homolog 5, OFOXD, OFOXD1, Oxoglutarate and iron-dependent oxygenase domain containing, Probable alpha ketoglutarate dependent dioxygenase ABH5, RNA demethylase ALKBH5.  
Background: Dioxygenase that demethylates RNA by oxidative demethylation: specifically demethylates N(6)-methyladenosine (m6A)RNA, the most prevalent internal modification of messenger RNA (mRNA) in higher eukaryotes (PubMed:23177736, PubMed:24778178, PubMed:24616105, PubMed:24489119). Can also demethylate N(6)-methyladenosine in single-stranded DNA (in vitro)(PubMed:24616105). Requires molecular oxygen, alpha-ketoglutarate and iron (PubMed:21264265, PubMed:23177736, PubMed:24778178, PubMed:24616105, PubMed:24489119). Demethylation of m6A mRNA affects mRNA processing and export (PubMed:23177736). Required for spermatogenesis (By similarity).

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Gene ID: 54890

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UniProt: [Q6P6C2](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months