

Rabbit anti-Human ALKBH5 Polyclonal Antibody | anti-ALKBH5 antibody

ALKBH5 Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258663	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Western Blot

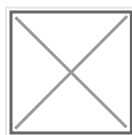
PRODUCT SYNONYMS

ALKBH5; Polyclonal Antibody; ALKBH5 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-ABH5 Antibody; Anti-OFOX D Antibody; Anti-OFOX D1 Antibody; anti-ALKBH5 antibody

PRODUCT SPECIFICATIONS

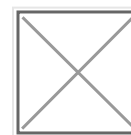
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human ALKBH5
Applicable Applications for anti-ALKBH5 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Preparation	Produced in rabbits immunized with E Coli-derived Human ALKBH5 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



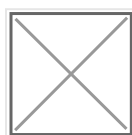
IP (Immunoprecipitation)

ALKBH5 was immunoprecipitated using;; Lane A:0.5 mg 293 Whole Cell Lysate; 4 uL anti-ALKBH5 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G.; Primary antibody;; Anti-ALKBH5 rabbit polyclonal antibody,at 1:100 dilution; Secondary antibody;; Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution; Developed using the ECL technique.; Performed under reducing conditions.; Predicted band size: 43 kDa; Observed band size :43 kDa



IF (Immunofluorescence)

Immunofluorescence staining of ALKBH5 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human ALKBH5 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Nucleus.



WB (Western Blot)

Anti-ALKBH5 rabbit polyclonal antibody at 1:500 dilution; Lane A: 293 Whole Cell Lysate; Lysates/proteins at 30 ug per lane.; Secondary; Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.; Developed using the ECL technique.; Performed under reducing conditions.; Predicted band size:44 kDa; Observed band size:48 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ALKBH5 antibody	AlkB homolog 5 (ALKBH5), an m(6)A demethylase, specifically removes m6A from target mRNAs. ALKBH5, which is most highly expressed in the testes but has low expression in the heart and brain, affects nuclear RNA export and metabolism, gene expression and mouse fertility. Alkbh5 knockout mice were viable but showed compromised spermatogenesis due to significantly altered expression of key genes required for spermatogenic maturation although the increase of overall m6A levels in testes is modest. ALKBH5-mediated m6A erasure in the nuclei of spermatocytes and round spermatids is essential for correct splicing and the production of longer 3'-UTR mRNAs, and failure to do so leads to aberrant splicing and production of shorter transcripts with elevated levels of m6A that are rapidly degraded. ALKBH5 is a prognostic marker for pancreatic cancer.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alkbh5-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-western-blot-elisa/258663>