

## Basic Information

<b>Product Name</b>	Anti-ALKBH5 Antibody	
<b>Gene Name</b>	ALKBH5	
<b>Source</b>	Rabbit	
<b>Clonality</b>	Polyclonal	
<b>Isotype</b>	IgG	
<b>Species Reactivity</b>	human	
<b>Tested Application</b>	WB, ICC/IF, ELISA	
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
<b>Immunogen</b>	E. coli-derived human ALKBH5 recombinant protein (Position: E81-R180). Human ALKBH5 shares 97% and 98% amino acid (aa) sequence identity with mouse and rat ALKBH5, respectively.	
<b>Concentration</b>	500 ug/ml	
<b>Purification</b>	Immunogen affinity purified.	
<b>Observed MW</b>	52 kDa	
<b>Dilution Ratios</b>	Western blot (WB):	1:500-2000
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	ELISA:	1:100-1000

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

RNA demethylase ALKBH5 is an enzyme that in humans is encoded by the ALKBH5 gene. It is mapped to 17p11.2. N(6)-methyladenosine (m(6)A) is the most prevalent modification of mRNA. ALKBH5 functions as a demethylase that removes m(6)A from mRNAs.

## Reference

Anti-ALKBH5 Antibody被引用在3文献中。

## Selected Validation Data

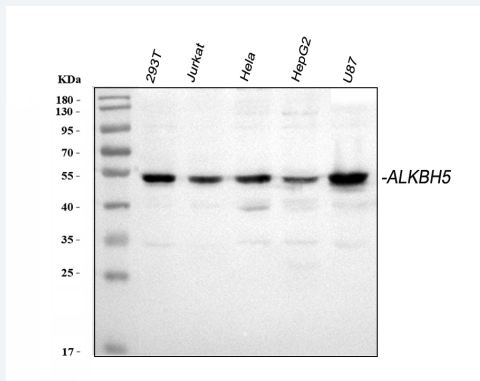


Figure 1. Western blot analysis of anti-ALKBH5 antibody (A03360). The sample well of each lane was loaded with 30ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,

Lane 2: human Jurkat whole cell lysates,

Lane 3: human HeLa whole cell lysates,

Lane 4: human HepG2 whole cell lysates,

Lane 5: human U-87 MG whole cell lysates.

Use rabbit anti-ALKBH5 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog#EK1002). A specific band was detected for ALKBH5 at approximately 52KD. The expected band size for ALKBH5 is at 44KD.

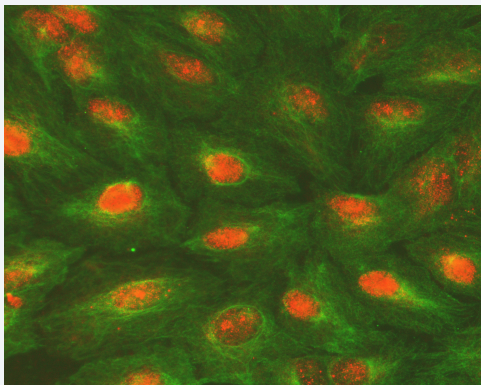


Figure 2. IF analysis of ALKBH5 using anti-ALKBH5 antibody (A03360) and anti-Alpha Tubulin antibody (M03989-3).

ALKBH5 was detected in an immunocytochemical section of A549 cells. The section was incubated with rabbit anti-ALKBH5 Antibody (A03360) at a dilution of 1:100. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) and Dylight488-conjugated Anti-mouse IgG Secondary Antibody (Green) (Catalog # BA1126) were used as secondary antibody.