

Basic Information

Product Name	Anti-ALKBH5 Antibody	
Gene Name	ALKBH5	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, ICC/IF, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	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.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	52 kDa	
Dilution Ratios	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.

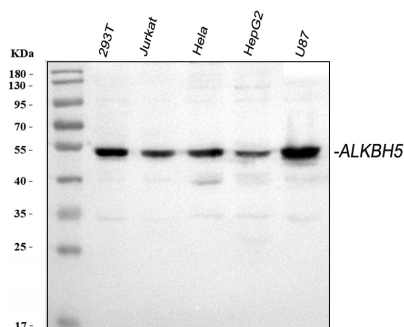
Background Information

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4文献中。

Selected Validation Data



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,

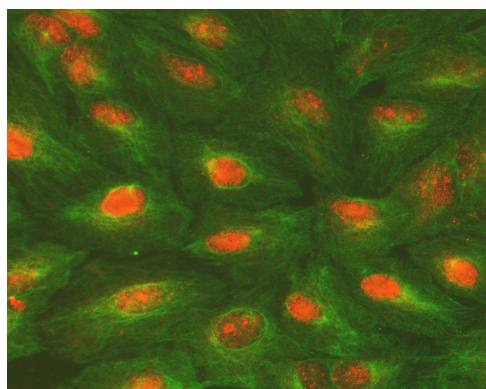
Lane 2: human Jurkat whole cell lysates,

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.



ICC/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 Fluoro488-

conjugated Anti-mouse IgG Secondary Antibody (Green) (Catalog #

BA1126) were used as secondary antibody.