BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-ALKBH5 Antibody (Monoclonal, 34A44)

Catalog Number: M03360

About ALKBH5

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.

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Overview

Product Name	Anti-ALKBH5 Antibody (Monoclonal, 34A44)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ALKBH5 Antibody (Monoclonal, 34A44) catalog # M03360. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal 34A44
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q6P6C2

Technical Details

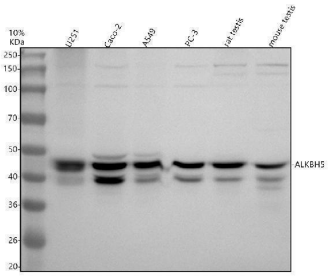
Immunogen	Recombinant protein within human ALKBH5 aa 53-348.
Form	Liquid
Concentration	500 ug/ml

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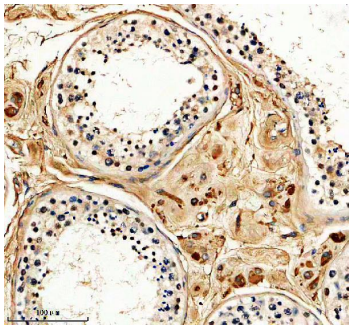
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200

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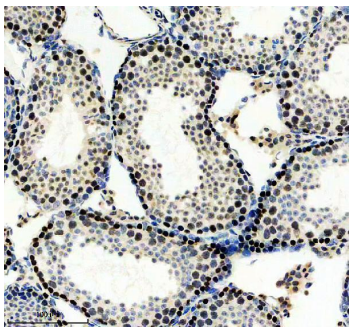
Anti-ALKBH5 Antibody (Monoclonal, 34A44) (M03360) Images



Western blot analysis of ALKBH5 using anti-ALKBH5 antibody (M03360). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human U251 whole cell lysates, Lane 2: human Caco-2 whole cell lysates, Lane 3: human A549 whole cell lysates, Lane 4: human PC-3 whole cell lysates, Lane 5: rat testis tissue lysates, Lane 6: mouse testis tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ALKBH5 antigen affinity purified monoclonal antibody (M03360) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for ALKBH5 at approximately 44 kDa. The expected band size for ALKBH5 is at 44 kDa.



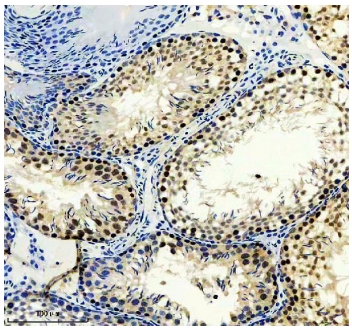
IHC analysis of ALKBH5 using anti-ALKBH5 antibody (M03360). ALKBH5 was detected in a paraffin-embedded section of human testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-ALKBH5 Antibody (M03360) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of ALKBH5 using anti-ALKBH5 antibody (M03360). ALKBH5 was detected in a paraffin-embedded section of mouse testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-ALKBH5 Antibody (M03360) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

IHC analysis of ALKBH5 using anti-ALKBH5 antibody (M03360). ALKBH5 was detected in a paraffin-embedded section of rat testis tissue. Heat mediated antigen retrieval

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was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-ALKBH5 Antibody (M03360) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

Anti-ALKBH5 Antibody (Monoclonal, 34A44)

For Research Use Only. Not for use in diagnostic procedures.