

Anti-BCAT1 Mouse Monoclonal Antibody [Clone ID: OTI3F5]

Catalog Number: M05089

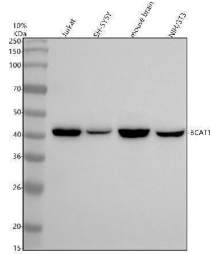
Overview

Product Name	Anti-BCAT1 Mouse Monoclonal Antibody [Clone ID: OTI3F5]
Reactive Species	Dog, Human, Mouse
Description	Boster Bio BCAT1 mouse monoclonal antibody, clone OTI3F5 (formerly 3F5). Catalog# M05089. Tested in IHC, WB. This antibody reacts with Human, Mouse, Dog.
Application	IHC, WB
Clonality	Monoclonal OTI3F5
Formulation	PBS (pH 7.3) containing 1% stabilizing protein, 50% glycerol and 0.02% sodium azide. 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 as received.
Host	Mouse
Uniprot ID	P54687

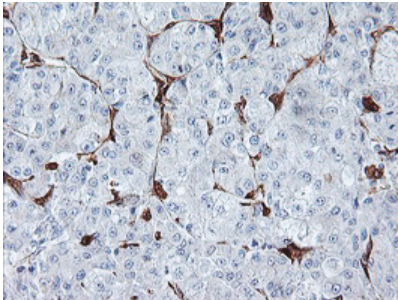
Technical Details

Immunogen	Full length human recombinant protein of human BCAT1 (NP_005495) produced in HEK293T cell.
Isotype	IgG2a
Concentration	0.78 mg/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Suggested Dilutions	WB: 1:500~2000 IHC: 1:150

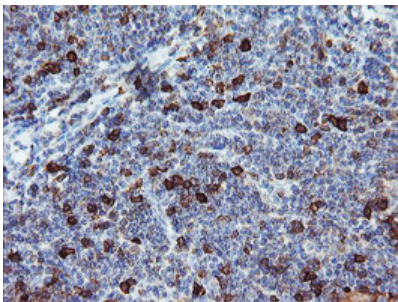
Anti-BCAT1 Mouse Monoclonal Antibody [Clone ID: OTI3F5] (M05089) Images



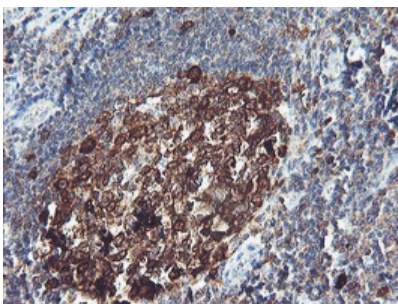
Western blot analysis of BCAT1 using anti-BCAT1 antibody (M05089). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates, Lane 3: mouse brain tissue lysates, Lane 4: mouse NIH/3T3 whole cell 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 mouse anti-BCAT1 antigen affinity purified monoclonal antibody (M05089) 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-mouse 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 BCAT1 at approximately 43 kDa. The expected band size for BCAT1 is at 43 kDa.



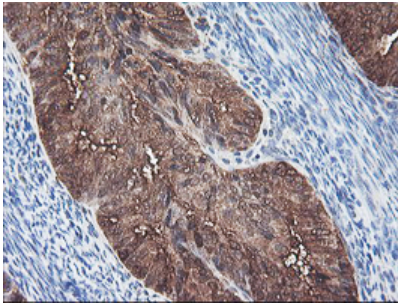
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-BCAT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



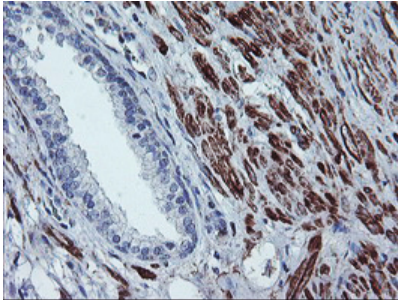
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-BCAT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



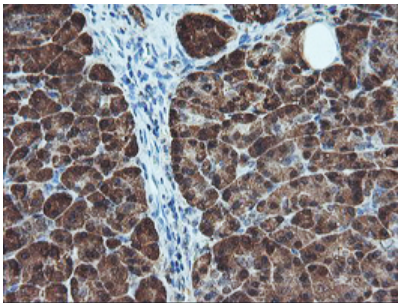
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-BCAT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-BCAT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-BCAT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-BCAT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)

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