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Anti-MAP3K7 Monoclonal Antibody

Catalog Number: M01458

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Overview

Product Name	Anti-MAP3K7 Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MAP3K7 Monoclonal Antibody catalog # M01458. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal ACHF-13
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	O43318

Technical Details

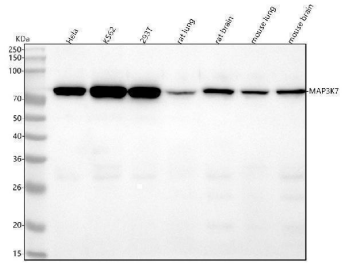
Immunogen	A synthesized peptide derived from human MAP3K7
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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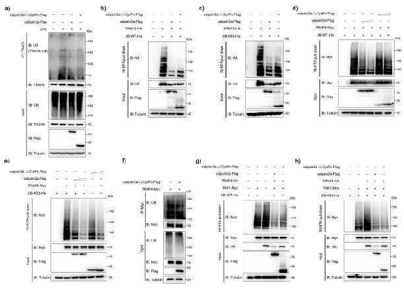
	IHC, 1:50-200 ICC/IF, 1:50-200 FC, 1:50

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Anti-MAP3K7 Monoclonal Antibody (M01458) Images

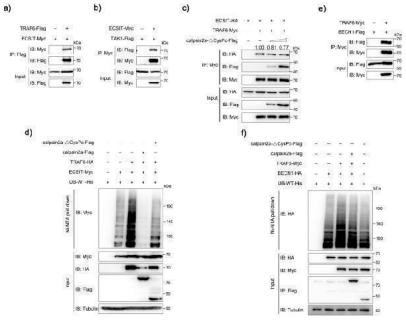


Western blot analysis of MAP3K7 using anti-MAP3K7 antibody (M01458). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human K562 whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: rat lung tissue lysates, Lane 5: rat brain tissue lysates, Lane 6: mouse lung tissue lysates, Lane 7: mouse brain 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-MAP3K7 antigen affinity purified monoclonal antibody (Catalog # M01458) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for MAP3K7 at approximately 75 kDa. The expected band size for MAP3K7 is at 67 kDa.

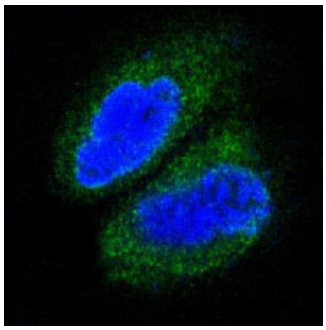


calpain2a inhibits TRAF6 ubiquitin-ligase activity. a Ubiquitination of endogenous TRAF6 in MKC cells transduced with calpain2a-Flag and calpain2a-ΔCysPc-Flag and unchallenged (−) or challenged with LPS (+), assessed by immunoblot analysis with anti-ubiquitin after immunoprecipitation with anti-TRAF6 and input immunoblot analysis with indicated Abs. b , c HEK293 cells were cotransfected with TRAF6-HA and WT-ubiquitin-His or K63O-ubiquitin-His (in which only lysine 63 is kept) together with calpain2a-Flag, calpain2a-ΔCysPc-Flag or empty vector. After 24 h post-transfection, the cells were lysed and purified with Ni-NTA agarose. d , e HEK293 cells were cotransfected with TRAF6-HA and WT-ubiquitin-His or K63O-ubiquitin-His (in which only lysine 63 is kept) together with calpain2a-Flag (0.5 ug, 1 ug), calpain2a-ΔCysPc-Flag (0.5 ug, 1 ug) or empty vector. After 24 h post-transfection, the cells were lysed and purified with Ni-NTA agarose. f Ubiquitination of overexpressed TRAF6 in MKC cells transduced with calpain2a-ΔCysPc-Flag, assessed by immunoblot analysis with anti-ubiquitin after immunoprecipitation with anti-Myc and input immunoblot analysis with indicated Abs. g , h HEK293 cells were cotransfected with TAK1-Myc, TRAF6-HA and WT-ubiquitin-His or K63O-ubiquitin-His (in which only lysine 63 is kept) together with calpain2a-Flag, calpain2a-ΔCysPc-Flag or empty vector. After 24 h post-transfection, the cells were lysed and purified with Ni-NTA agarose. All the immunoprecipitates and input immunoblot analysis with anti-Myc, anti-Flag, anti-HA, and anti-Tubulin Abs. All experiments were performed in at least three independent experiments. Index in PubMed under a CC BY license. PMID: 37002312

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calpain2a inhibits TRAF6-mediated ubiquitination of ECSIT and BECN1. a HEK293 cells were transfected with ECSIT-Myc, TRAF6-Flag, or empty vector. After 24 h post-transfection, the cells were lysed and IP analyses with Flag antibody. b HEK293 cells were transfected with TAK1-Flag, ECSIT-Myc, or empty vector. After 24 h post-transfection, the cells were lysed and IP analyses with Myc antibody. c HEK293 cells were transfected with TRAF6-Myc, ECSIT-HA, empty vector, or different concentrations of calpain2a-ΔCysPc-Flag. After 24 h post-transfection, the cells were lysed and IP analyses with Myc antibody. d HEK293 cells were cotransfected with ECSIT-Myc, TRAF6-HA, WT-ubiquitin-His together with calpain2a-Flag, calpain2a-ΔCysPc-Flag or empty vector. After 24 h post-transfection, the cells were lysed and purified with Ni-NTA agarose. e HEK293 cells were transfected with BECN1-Flag, TRAF6-Myc, or empty vector. After 24 h post-transfection, the cells were lysed and IP analyses with Myc antibody. f HEK293 cells were cotransfected with BECN1-HA, TRAF6-Myc, WT-ubiquitin-His together with calpain2a-Flag, calpain2a-ΔCysPc-Flag or empty vector. After 24 h post-transfection, the cells were lysed and purified with Ni-NTA agarose. The immunoprecipitates and input with anti-Myc, anti-Flag, anti-HA, and anti-Tubulin Abs. All experiments were performed in at least three independent experiments. Index in PubMed under a CC BY license. PMID: 37002312



Immunofluorescent analysis of A431 cells, using TAK1 Antibody .

Anti-MAP3K7 Monoclonal Antibody

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