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

Anti-KEAP1 mAb

CODE No. M224-3

CLONALITY Monoclonal
CLONE KP1
ISOTYPE Mouse IgG2a κ
QUANTITY 100 µL, 1 mg/mL

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN Human KEAP1, recombinant protein
FORMURATION PBS containing 50% Glycerol (pH 7.2). No preservative is contained.
STORAGE This antibody solution is stable for one year from the date of purchase when stored at -20°C.

APPLICATION-CONFIRMED

Western blotting 1 µg/mL for chemiluminescence detection system

SPECIES CROSS REACTIVITY on WB

Species	Human*	Mouse	Rat	Hamster
sample	HEK293T, A549, HepG2	MEF, NIH/3T3	Rat1, NRK	CHO
Reactivity	+	+	+	+

*This antibody does not react with HeLa cells.

Entrez Gene ID 9817 (Human), 50868 (Mouse), 117519 (Rat), 100759410 (Hamster)

For more information, please visit our web site **http://ruo.mbl.co.jp/**

MEDICAL & BIOLOGICAL LABORATORIES CO., LTD.
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RELATED PRODUCTS

M224-3	Anti-KEAP1 mAb (KP1)
M200-3	Anti-NRF2 mAb (1F2)
PM069	Anti-NRF2 pAb
M162-3	Anti-p62 (SQSTM1) (Human) mAb (5F2)
M162-A48	Anti-p62 (SQSTM1) (Human) mAb -Alexa Fluor®488 (5F2)
M162-A59	Anti-p62 (SQSTM1) (Human) mAb -Alexa Fluor®594 (5F2)
M162-A64	Anti-p62 (SQSTM1) (Human) mAb -Alexa Fluor®647 (5F2)
PM045	Anti-p62 (SQSTM1) pAb
PM066	Anti-p62 C-terminal pAb
PM066-7	Anti-p62 C-terminal pAb-HRP-DirecT
M217-3	Anti-Phospho-p62 (SQSTM1) (Ser351) mAb (5D5)
PM074	Anti-Phospho-p62 (SQSTM1) (Ser351) pAb
D343-3	Anti-Phospho-p62 (SQSTM1) (Ser403) mAb (4F6)
D344-3	Anti-Phospho-p62 (SQSTM1) (Ser403) mAb (4C8)
M152-3	Anti-LC3 mAb (4E12) [WB, IP, IC, FCM, EM]
M186-3	Anti-LC3 mAb (8E10) [WB]
M186-7	Anti-LC3 mAb-HRP-DirecT (8E10)
PM036	Anti-LC3 pAb [WB, IP, IC, IHC, FCM]
PD014	Anti-LC3 pAb [WB]
PD017	Anti-Beclin 1 pAb
PM037	Anti-GABARAP pAb
M135-3	Anti-GABARAP mAb (1F4)
PM038	Anti-GATE-16 pAb
PD041	Anti-Atg2A pAb
PM034	Anti-Atg3 pAb
M133-3	Anti-Atg3 mAb (3E8)
M134-3	Anti-Atg4B mAb (9H5)
PM050	Anti-Atg5 pAb
M153-3	Anti-Atg5 mAb (4D3)
PM039	Anti-Atg7 (Human) pAb
PD042	Anti-Atg9A pAb
M151-3	Anti-Atg10 (Human) mAb (5A7)
M154-3	Anti-Atg12 (Human) mAb (6E5)
PD036	Anti-Atg13 (Human) pAb
M183-3	Anti-Atg13 mAb (5G4)
PD026	Anti-Atg14 pAb
M184-3	Anti-Atg14 (Human) mAb (4H8)
PM040	Anti-Atg16L pAb
M150-3	Anti-Atg16L mAb (1F12)
M160-3	Anti-UVRAG mAb (1H4)
PD027	Anti-Rubicon (Human) pAb
M170-3	Anti-Rubicon (Human) mAb (1H6)
PD037	Anti-Tel2 pAb
PM072	Anti-VMP1 pAb
PM076	Anti-Syntaxin-17 (Human) pAb
M212-3	Anti-Syntaxin-17 (Human) mAb (2F8)
M175-3	Anti-α-Tubulin mAb (2F9)
M175-A48	Anti-α-Tubulin mAb-Alexa Fluor®488 (2F9)
M175-A59	Anti-α-Tubulin mAb-Alexa Fluor®594 (2F9)
M175-A64	Anti-α-Tubulin mAb-Alexa Fluor®647 (2F9)
PM054	Anti-α-Tubulin pAb
PM054-7	Anti-α-Tubulin pAb-HRP-DirecT
M176-3	Anti-EEA1 mAb (3C10)
M176-A48	Anti-EEA1 mAb-Alexa Fluor®488 (3C10)
M176-A59	Anti-EEA1 mAb-Alexa Fluor®594 (3C10)
M176-A64	Anti-EEA1 mAb-Alexa Fluor®647 (3C10)
PM062	Anti-EEA1 pAb
M178-3	Anti-Calnexin mAb (4F10)
M178-A48	Anti-Calnexin mAb-Alexa Fluor®488 (4F10)
M178-A59	Anti-Calnexin mAb-Alexa Fluor®594 (4F10)
M178-A64	Anti-Calnexin mAb-Alexa Fluor®647 (4F10)
PM060	Anti-Calnexin pAb
M181-3	Anti-KDEL mAb (1D5)
PM059	Anti-KDEL pAb
M179-3	Anti-GM130 mAb (5G8)
M179-A48	Anti-GM130 mAb-Alexa Fluor®488 (5G8)
M179-A59	Anti-GM130 mAb-Alexa Fluor®594 (5G8)
M179-A64	Anti-GM130 mAb-Alexa Fluor®647 (5G8)
PM061	Anti-GM130 pAb
PM063	Anti-COX4 pAb
PM064	Anti-Lamin B1 pAb

Kits

8485	Autophagy Ab Sampler Set
8486	Autophagy Watch
PM036-PN	Positive control for anti-LC3 antibody

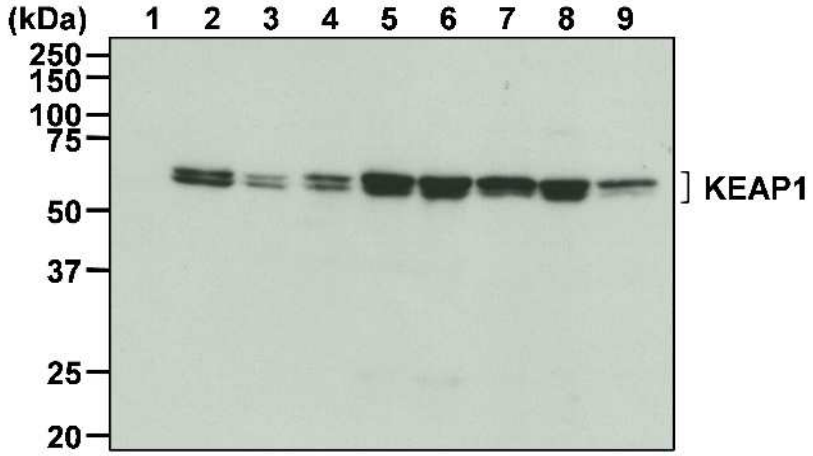
WB: Western blotting
IP: Immunoprecipitation
IC: Immunocytochemistry
IHC: Immunohistochemistry
FCM: Flow cytometry
EM: Immuno-electron microscopy

Other related antibodies and kits are also available.
Please visit our website at http://ruo.mbl.co.jp/

SDS-PAGE & Western blotting

1) Wash 1 x 10^7 cells 3 times with PBS and suspend them in 1 mL of Laemmli's sample buffer, then sonicate briefly (up to 10 sec.).
2) Boil the sample for 5 min. and centrifuge.
3) Load 10 μL of the sample per lane in a 1-mm-thick SDS-polyacrylamide gel (12.5% acrylamide) for electrophoresis.
4) Blot the protein to a polyvinylidene difluoride (PVDF) membrane at 1 mA/cm^2 for 1 hr. in a dry transfer system.
5) To reduce nonspecific binding, soak the membrane in 10% skimmed milk (in PBS, pH 7.2) overnight at 4°C.
6) Wash the membrane with PBS-T [0.05% Tween-20 in PBS] (5 min. x 3 times).
7) Incubate the membrane with primary antibody diluted with 1% skimmed milk (in PBS, pH 7.2) as suggested in the **APPLICATIONS** for 1 hr. at room temperature. (The concentration of antibody will depend on the conditions.)
8) Wash the membrane with PBS-T (5 min. x 3 times).
9) Incubate the membrane with 1:10,000 of Anti-IgG (Mouse) pAb-HRP (MBL; code no. 330) diluted with 1% skimmed milk (in PBS, pH 7.2) for 1 hr. at room temperature.
10) Wash the membrane with PBS-T (5 min. x 3 times).
11) Wipe excess buffer on the membrane, then incubate it with appropriate chemiluminescence reagent for 1 min. Remove extra reagent from the membrane by dabbing with paper towel, and seal it in plastic wrap.
12) Expose to an X-ray film in a dark room for 3 min. Develop the film as usual. The condition for exposure and development may vary.

(Positive control for Western blotting; HeLa, HEK293, A549, HepG2, MEF, NIH/3T3, Rat1, NRK and CHO)



Western blot analysis of KEAP1

Lane 1: HeLa
Lane 2: HEK293T
Lane 3: A549
Lane 4: HepG2
Lane 5: MEF
Lane 6: NIH/3T3
Lane 7: Rat1
Lane 8: NRK
Lane 9: CHO

Immunoblotted with Anti-KEAP1 mAb (M224-3)