

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



Anti-p62/SQSTM1-Alexa Fluor[®] 594

CODE No. M162-A59

CLONALITY Monoclonal
CLONE 5F2
ISOTYPE Mouse IgG1 κ
QUANTITY 100 μ L, 1 mg/mL

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN Human p62, 120-440 aa (recombinant)
FORMURATION PBS containing 1% BSA and 0.09% NaN₃.

*Azide may react with copper or lead in plumbing system to form explosive metal azides. Therefore, always flush plenty of water when disposing materials containing azide into drain.

STORAGE This antibody solution is stable for one year from the date of purchase when stored at 4°C.

APPLICATIONS-CONFIRMED

Immunocytochemistry 5 μ g/mL

SPECIES CROSS REACTIVITY on IC

Species	Human	Mouse	Rat	Hamster
Cells	Transfectant	Not Tested	Not Tested	Not Tested
Reactivity	+			

Entrez Gene ID 8878 (Human)

REFERENCES
1) Ichimura, Y., *et al.*, *J. Biol. Chem.* **283**, 22847-22857 (2008)
2) Komatsu, M., *et al.*, *Cell* **131**, 1149-1163 (2007)

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RELATED PRODUCTSAntibodies

PD014	anti-LC3 (polyclonal)	[WB]
PD015	anti-LC3 (polyclonal)	[IC]
PM036	anti-LC3 (polyclonal)	[WB, IP, IC, IHC, FCM]
PM046	anti-LC3 (polyclonal)	[WB, IC]
M115-3	anti-LC3 (51-11)	[WB]
M152-3	anti-LC3 (4E12)	[WB, IP, IC, FCM]
M186-3	anti-LC3 (8E10)	[WB]
M135-3	anti-GABARAP (1F4)	
PM037	anti-GABARAP (polyclonal)	
PM038	anti-GATE-16 (polyclonal)	
PM034	anti-Atg3 (polyclonal)	
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M134-3	anti-Atg4B (9H5)	
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M154-3	anti-Atg12 (6E5)	
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M184-3	anti-Atg14 (4H8)	
PM040	anti-Atg16L (polyclonal)	
M150-3	anti-Atg16L (1F12)	
M162-3	anti-p62/SQSTM1 (5F2)	
M162-A48	anti-p62/SQSTM1-Alexa Fluor [®] 488 (5F2)	
M162-A59	anti-p62/SQSTM1-Alexa Fluor [®] 594 (5F2)	
M162-A64	anti-p62/SQSTM1-Alexa Fluor [®] 647 (5F2)	
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M170-3	anti-Rubicon (1H6)	
PM036-P	Positive control for anti-LC3 antibody	
M175-3	anti- α -Tubulin (2F9)	
M175-A48	anti- α -Tubulin-Alexa Fluor [®] 488 (2F9)	
M175-A59	anti- α -Tubulin-Alexa Fluor [®] 594 (2F9)	
M175-A64	anti- α -Tubulin-Alexa Fluor [®] 647 (2F9)	
PM054	anti- α -Tubulin (polyclonal)	
M176-3	anti-EEA1 (3C10)	
M176-A48	anti-EEA1-Alexa Fluor [®] 488 (3C10)	
M176-A59	anti-EEA1-Alexa Fluor [®] 594 (3C10)	
M176-A64	anti-EEA1-Alexa Fluor [®] 647 (3C10)	
PM062	anti-EEA1 (polyclonal)	
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M178-A59	anti-Calnexin-Alexa Fluor [®] 594 (4F10)	
M178-A64	anti-Calnexin-Alexa Fluor [®] 647 (4F10)	
PM060	anti-Calnexin (polyclonal)	
M181-3	anti-KDEL (1D5)	
PM059	anti-KDEL (polyclonal)	
M179-3	anti-GM130 (5G8)	
M179-A48	anti-GM130-Alexa Fluor [®] 488 (5G8)	
M179-A59	anti-GM130-Alexa Fluor [®] 594 (5G8)	
M179-A64	anti-GM130-Alexa Fluor [®] 647 (5G8)	
PM061	anti-GM130 (polyclonal)	

PM063 anti-COX4 (polyclonal)

PM064 anti-Lamin B1

PM067 Normal Guinea pig IgG (polyclonal)

WB: Western blotting
 IP: Immunoprecipitation
 IC: Immunocytochemistry
 IHC: Immunohistochemistry
 FCM: Flow cytometry

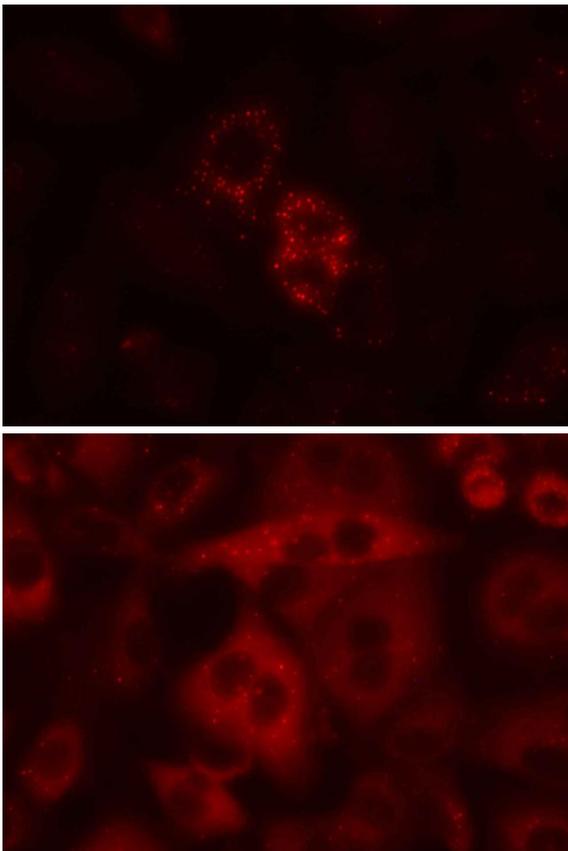
Other related antibodies and kits are also available.

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Immunocytochemistry

- 1) Spread the cells in the nutrient condition on a glass slide, then incubate in a CO₂ incubator for one night.
- 2) Remove the culture supernatant by careful aspiration.
- 3) Fix the cells by immersing the slide in 4% paraformaldehyde (PFA)/PBS for 10 minutes at room temperature (20~25°C).
- 4) Prepare a wash container such as a 500 mL beaker with a magnetic stirrer. Then wash the fixed cells on the glass slide by soaking the slide with a plenty of PBS in the wash container for 5 minutes. Take care not to touch the cells. Repeat another wash once more.
- 5) Immerse the slide in 100 µg/mL digitonin in PBS for 10 minutes at room temperature.
- 6) Wash the slide in a plenty of PBS as in the step 4).
- 7) Add 200 µL of Clear Back (human Fc receptor blocking reagent, MBL; code no. MTG-001) onto the cells and incubate for 5 minutes at room temperature.
- 8) Add 200 µL of the primary antibody diluted with 2% fetal calf serum (FCS)/PBS as suggested in the **APPLICATIONS** onto the cells and incubate for 60 minutes at room temperature. (Optimization of antibody concentration or incubation condition is recommended if necessary.)
- 9) Wash the slide in a plenty of PBS as in the step 4).
- 10) Promptly add mounting medium onto the slide, then put a cover slip on it.

(Positive control for Immunocytochemistry; A549)



Immunocytochemical detection of p62 in A549

Upper: Starved A549
Lower: Nutrient A549