

# Anti-p62/SQSTM1-Alexa Fluor<sup>®</sup> 594

**CODE No.** M162-A59

**CLONALITY** Monoclonal  
**CLONE** 5F2  
**ISOTYPE** Mouse IgG1  $\kappa$   
**QUANTITY** 100  $\mu$ 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% NaN<sub>3</sub>.

\*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  $\mu$ 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 PRODUCTS**Antibodies

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)  
 M133-3 anti-Atg3 (3E8)  
 M134-3 anti-Atg4B (9H5)  
 M153-3 anti-Atg5 (4D3)  
 PM050 anti-Atg5 (polyclonal)  
 PM039 anti-Atg7 (polyclonal)  
 M151-3 anti-Atg10 (5A7)  
 M154-3 anti-Atg12 (6E5)  
 PD036 anti-Atg13 (polyclonal)  
 M183-3 anti-Atg13 (5G4)  
 PD026 anti-Atg14 (polyclonal)  
 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<sup>®</sup>488 (5F2)  
 M162-A59 anti-p62/SQSTM1-Alexa Fluor<sup>®</sup>594 (5F2)  
 M162-A64 anti-p62/SQSTM1-Alexa Fluor<sup>®</sup>647 (5F2)  
 PM045 anti-p62/SQSTM1 (polyclonal)  
 PM066 anti-p62 C-terminal (polyclonal)  
 M160-3 anti-UVRAG (1H4)  
 PD017 anti-Becn1 (polyclonal)  
 PD027 anti-Rubicon (polyclonal)  
 M170-3 anti-Rubicon (1H6)  
 PM036-P Positive control for anti-LC3 antibody

M175-3 anti- $\alpha$ -Tubulin (2F9)  
 M175-A48 anti- $\alpha$ -Tubulin-Alexa Fluor<sup>®</sup>488 (2F9)  
 M175-A59 anti- $\alpha$ -Tubulin-Alexa Fluor<sup>®</sup>594 (2F9)  
 M175-A64 anti- $\alpha$ -Tubulin-Alexa Fluor<sup>®</sup>647 (2F9)  
 PM054 anti- $\alpha$ -Tubulin (polyclonal)  
 M176-3 anti-EEA1 (3C10)  
 M176-A48 anti-EEA1-Alexa Fluor<sup>®</sup>488 (3C10)  
 M176-A59 anti-EEA1-Alexa Fluor<sup>®</sup>594 (3C10)  
 M176-A64 anti-EEA1-Alexa Fluor<sup>®</sup>647 (3C10)  
 PM062 anti-EEA1 (polyclonal)  
 M178-3 anti-Calnexin (4F10)  
 M178-A48 anti-Calnexin-Alexa Fluor<sup>®</sup>488 (4F10)  
 M178-A59 anti-Calnexin-Alexa Fluor<sup>®</sup>594 (4F10)  
 M178-A64 anti-Calnexin-Alexa Fluor<sup>®</sup>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<sup>®</sup>488 (5G8)  
 M179-A59 anti-GM130-Alexa Fluor<sup>®</sup>594 (5G8)  
 M179-A64 anti-GM130-Alexa Fluor<sup>®</sup>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

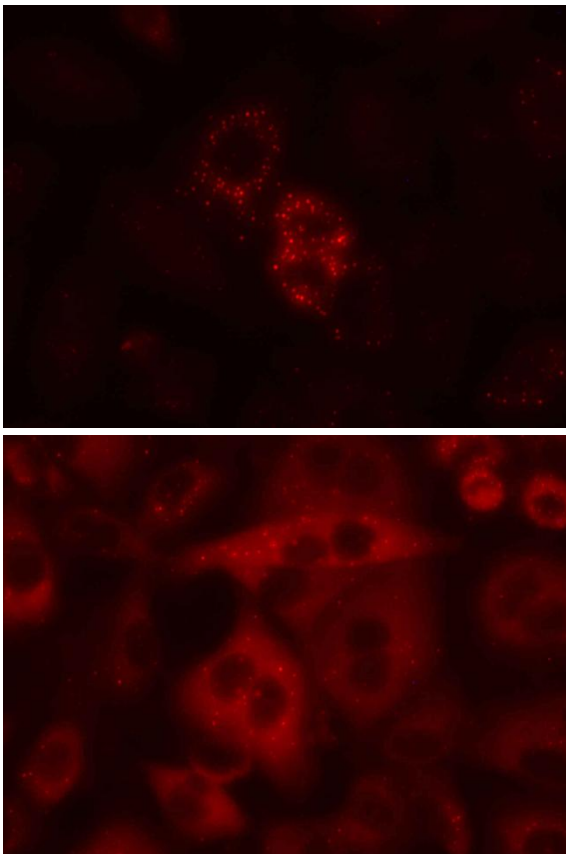
Other related antibodies and kits are also available.

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### **Immunocytochemistry**

- 1) Spread the cells in the nutrient condition on a glass slide, then incubate in a CO<sub>2</sub> 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