

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



Anti- α -Tubulin-Alexa Fluor[®] 647

CODE No. M175-A64

CLONALITY Monoclonal
CLONE 2F9
ISOTYPE Mouse IgG2a κ
QUANTITY 100 μ L, 1 mg/mL

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN Human α -Tubulin, N-terminal (synthetic peptide)
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 10 μ g/mL

SPECIES CROSS REACTIVITY on WB

Species	Human	Mouse	Rat	Hamster	Chicken
Cells	HeLa	NIH/3T3	NRK	CHO	MuH1
Reactivity	+	+	+	+	+

Entrez Gene ID 7846 (Human), 22142 (Mouse), 64158 (Rat)

REFERENCES
1) Heald, R., and Nogales, E., *J. Cell Sci.* **115**, 3-4 (2002)
2) Hall, J. L., and Cowan, N. J., *Nucleic Acids Res.* **13**, 207-223 (1985)

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RELATED PRODUCTS

M175-3	anti- α -Tubulin (2F9)
M175-A48	anti- α -Tubulin Alexa Fluor [®] 488 (2F9)
M175-A59	anti- α -Tubulin Alexa Fluor [®] 594 (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)
M178-3	anti-Calnexin (4F10)
M178-A48	anti-Calnexin Alexa Fluor [®] 488 (4F10)
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 (polyclonal)
D115-3	anti-CENP-A (3-19)
PD030	anti-CENP-C (polyclonal)
K0171-3	anti-CENP-E (1H12)
PD031	anti-CENP-H (polyclonal)
PD032	anti-CENP-I/hMis6 (polyclonal)
D282-3	anti-CENP-K/ICEN37 (46F1)
PD018	anti-CENP-K (polyclonal)
D283-3	anti-CENP-L/ICEN33 (27E10)
D284-3	anti-CENP-M/ICEN39 (23F6)
D285-3	anti-CENP-N/ICEN32 (22F4)
PD020	anti-CENP-O (polyclonal)
D286-3	anti-CENP-T/ICEN22 (42F10)
PD019	anti-CENP-50 (polyclonal)
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]
M162-3	anti-p62 (5F2)
PM045	anti-p62 (polyclonal)
PM066	anti-p62 C-terminal (polyclonal)

WB: Western blotting

IP: Immunoprecipitation

IC: Immunocytochemistry

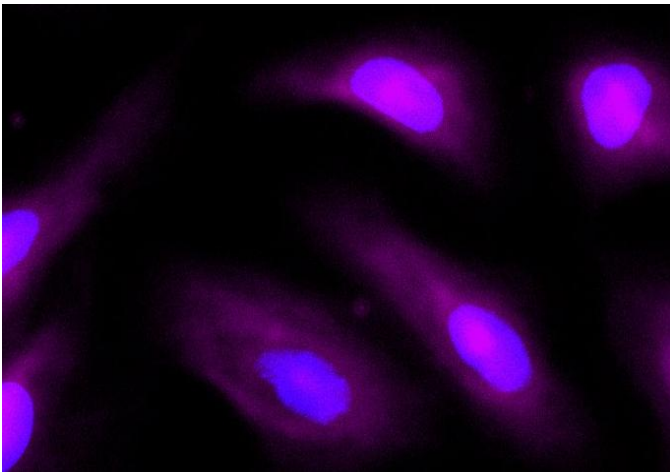
IHC: Immunohistochemistry

FCM: Flow cytometry

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 twice more.
- 5) Immerse the slide in 0.2% Triton X-100/PBS for 10 minutes at room temperature.
- 6) Wash the slide 2 times with PBS.
- 7) 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 30 minutes at room temperature. (Optimization of antibody concentration or incubation condition is recommended if necessary.)
- 8) Wash the slide 2 times with PBS.
- 9) Counter stain with DAPI for 5 minutes at room temperature.
- 10) Wash the slide 2 times with PBS.
- 11) Wipe excess liquid from slide but take care not to touch the cells. Never leave the cells to dry.
- 12) Promptly add mounting medium onto the slide, then put a cover slip on it.

(Positive control for Immunocytochemistry; HeLa)



Immunocytochemical detection of α -Tubulin in HeLa

Magenta: M175-A64
Blue: DAPI