

Mouse 7-Ketocholesterol Monoclonal Antibody | anti-7-KC antibody

7-Ketocholesterol Antibody, Clone 7E1: ATTO 488

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA104051	Mouse	Species Independent	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

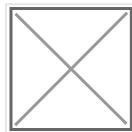
PRODUCT SYNONYMS

7-Ketocholesterol; Monoclonal Antibody; 7-Ketocholesterol Antibody; Clone 7E1: ATTO 488; Mouse Anti-7-Ketocholesterol (7-KC) Monoclonal IgG2b; 7-Ketocholesterol Antibody: ATTO 488; 7-Ketocholesterol [7-KC] Antibody; 7-KC Antibody; 7-ketocholesterol (7-KC) Antibody; 7KC Antibody; 7KC-Modified Keyhole-Limpet Hemocyanine Antibody; 7KC-Modified KLH Antibody; anti-7-KC antibody

PRODUCT SPECIFICATIONS

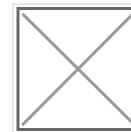
Host	Mouse
Reactivity	Species Independent
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	7E1
Specificity	Specific for 7-ketocholesterol modified proteins.
Purity/Purification	Protein G Purified
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-7-KC antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Target	7-Ketocholesterol
Immunogen	Synthetic 7-Ketocholesterol conjugated to Keyhole Limpet Hemocyanin (KLH).
Conjugate	ATTO 488
Storage Buffer	PBS pH 7.4, 50% glycerol, 0.09% Sodium Azide
Preparation and Storage	Store at -20 degree C.

IMAGES



WB (Western Blot)

Western Blot analysis of 7-Ketocholesterol-BSA Conjugate showing detection of 67 kDa 7-Ketocholesterol protein using Mouse Anti-7-Ketocholesterol Monoclonal Antibody, Clone 7E1. Lane 1: Molecular Weight Ladder (MW). Lane 2: BSA (0.5 ug). Lane 3: BSA (2.0 ug). Lane 4: 7-ketocholesterol-BSA (0.5 ug). Lane 5: 7-ketocholesterol-BSA (2.0 ug). Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-7-Ketocholesterol Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 67 kDa.



ICC (Immunocytochemistry)

Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-7-Ketocholesterol Monoclonal Antibody, Clone 7E1. Tissue: Embryonic kidney epithelial cell line (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-7-Ketocholesterol Monoclonal Antibody at 1:50 for 30-60 min at RT. Secondary Antibody: Goat Anti-Mouse Alexa Fluor 488 at 1:1500 for 30-60 min at RT. Counterstain: Phalloidin Alexa Fluor 633 F-Actin stain; DAPI (blue) nuclear stain at 1:250, 1:50000 for 30-60 min at RT. Magnification: 20X (2X Zoom). (A,C,E,G) - Untreated. (B,D,F,H) - Cells cultured overnight with 50 uM H2O2. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alex Fluor 633 F-Actin stain. (E,F) 7-Ketocholesterol Antibody. (G,H) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.

ADDITIONAL INFORMATION

Product Categories/Family for anti-7-KC antibody	Antibodies; Cancer; Oxidative Stress; Lipid peroxidation
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/7-ketocholesterol-antibody-clone-7e1-immunofluorescence-immunocytochemistry-western-blot-elisa/104051>