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[KD-Validated] Anti-alpha smooth muscle Actin Rabbit Monoclonal Antibody

Cat No.: KD-10950

Aliases:

ACTA2; Actin Alpha 2, Smooth Muscle; ACTSA; Cell Growth-Inhibiting Gene 46 Protein; Actin, Alpha 2, Smooth Muscle, Aorta; Actin, Aortic Smooth Muscle; Alpha-Cardiac Actin; Alpha-Actin-2; EC 3.6.4.-; ACTVS

Background:

UniProt Entry: P62736;NCBI Gene Entry: 59

Application Information

Molecular Weight: Predicted, 42 kDa, observed, 42 kDa Clonality: Rabbit monoclonal antibody Clone ID: 23GB605 Species Reactivity: Human, Mouse, Rat Applications Tested: Western Blotting (WB), Flow Cytometry (FCM), Immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human alpha smooth muscle Actin

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
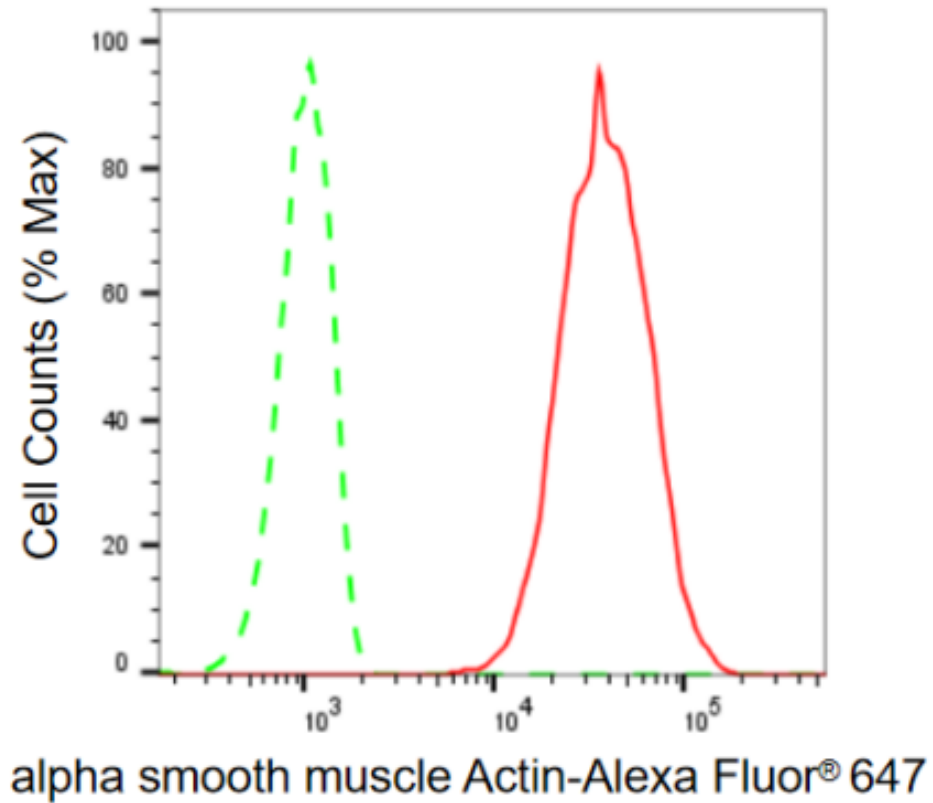
Storage

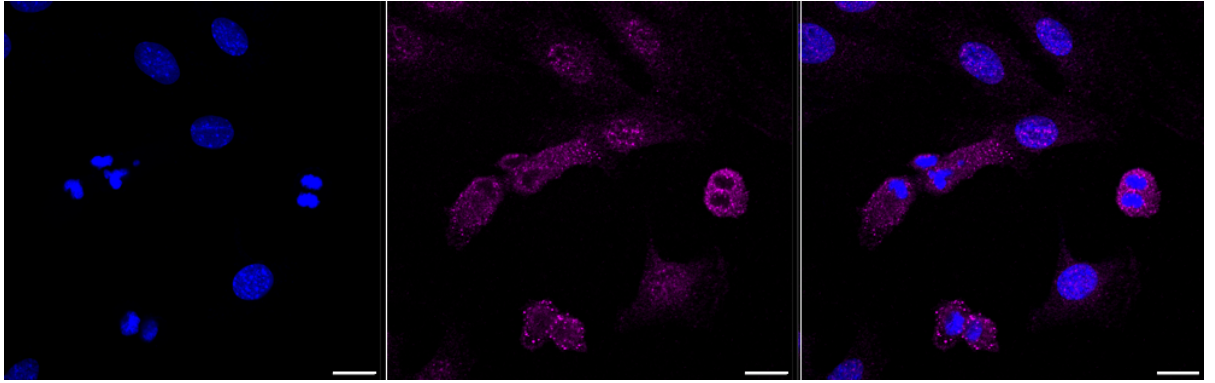Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:2,000-1:10,000 Flow Cytometry (FCM): 1:2,000
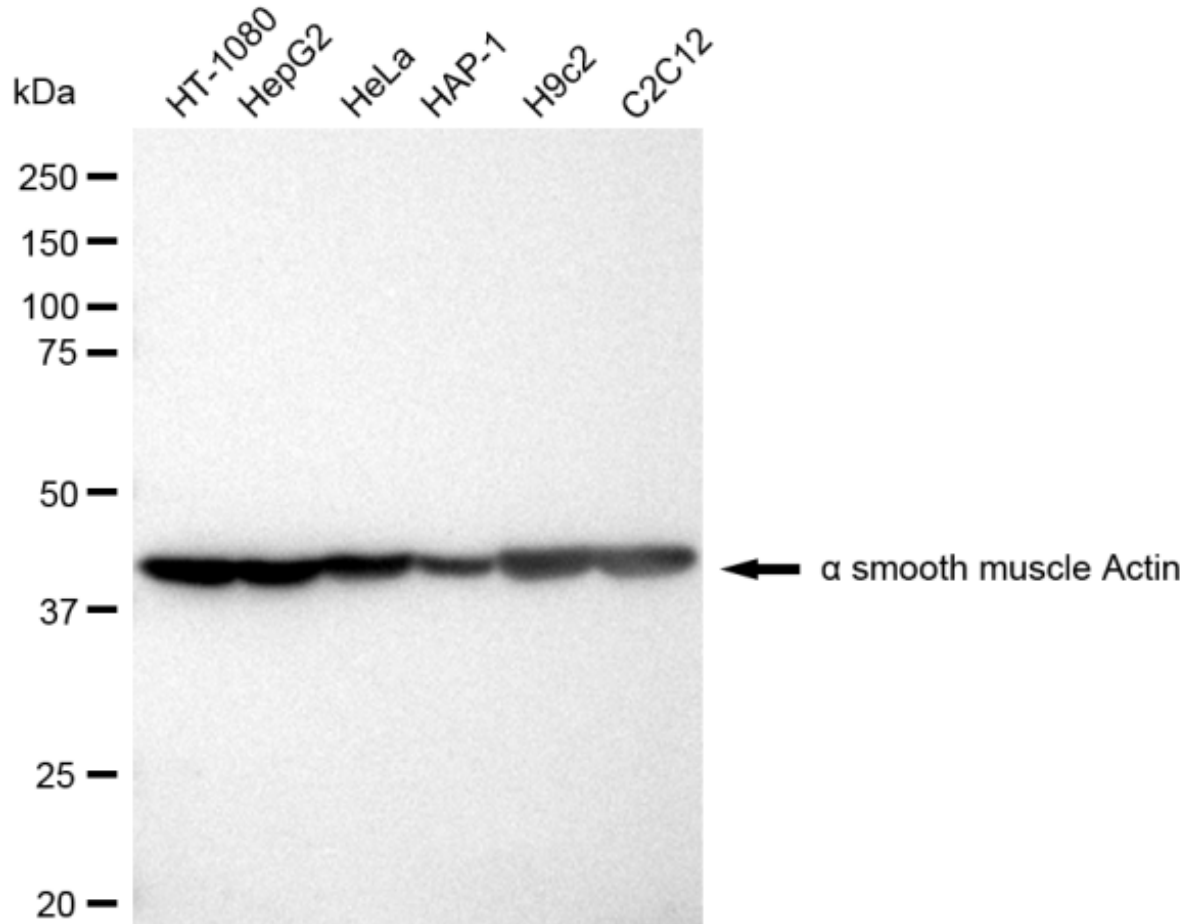Immunocytochemistry (IC): 1:1,000

Protocols

For general and specific antibody protocols please visit our website. Read all instructions
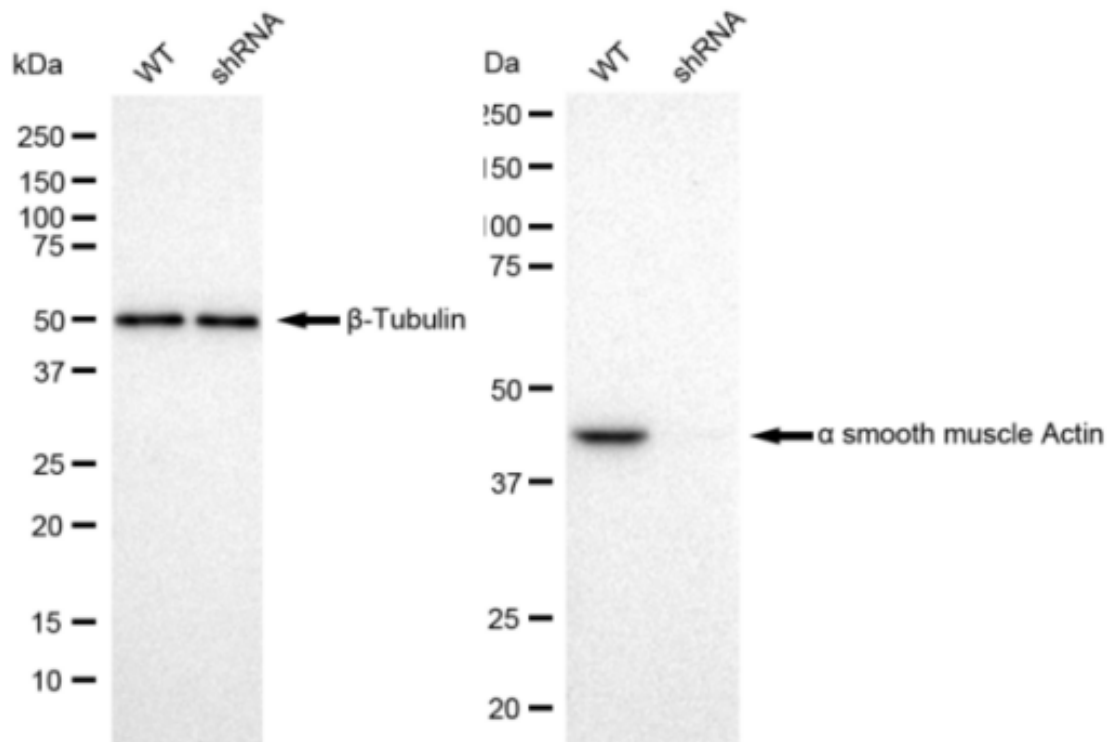before using this product.

Flow cytometric analysis of alpha smooth muscle Actin expression in HT-1080 cells
using alpha smooth muscle Actin antibody 1:2,000. Green, isotype control; red, alpha
smooth muscle Actin.

Immunocytochemical staining of HT-1080 cells with alpha smooth muscle Actin antibody 1:1,000. Nuclei were stained blue with DAPI; alpha smooth muscle Actin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 μm.

Western blotting analysis using anti-alpha smooth muscle Actin antibody 1:10,000 and HRP-conjugated goat anti-rabbit secondary antibody 1:50,000 respectively. Image was developed using FeQ™ ECL Substrate Kit .

Western blotting analysis using anti-alpha smooth muscle Actin antibody 1:10,000 and HRP-conjugated goat anti-rabbit secondary antibody 1:20,000 respectively. Image was developed using FeQ™ ECL Substrate Kit .