SICGEN ANTIBODIES

Product Data Sheet

001 Rev1 Jan 2012 by JR

Catalogue No. AB0094-200
Qty: 600 µg (3 mg/ml)

Caveolin-2 Polyclonal Antibody

Source: Goat

General description: Goat polyclonal to Caveolin-2 – caveolae marker. This scaffolding protein acts as an accessory protein in conjunction with CAV1 in targeting to lipid rafts and driving caveolae formation. It is involved in essential cellular functions, including cellular growth control, apoptosis, lipid metabolism and signal transduction. CAV2 might function as a tumor suppressor as well.

Alternative names: CAV2, caveolin, caveolae protein 2 antibody.

Form: Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Recombinant peptide derived from within residues 50 aa to the N-terminus of human CAV2 produced in *E. coli*.

Specificity: Detects a band of approximately 20 kDa by Western blot in HaCat cell lysate and 45 kDa CAV2-GFP transfected cell lysate. This Ab does not recognize CAV1.

Reactivity: Reacts against human, canine and mouse proteins.

Sample	**Western blot**	**Immuno-fluorescence**	**Histochemistry** (paraffin)	**Histochemistry** (frozen)
human	+++	+++	+++	+++
rat	+++	+++	+++	+++
mouse	+++	+++	+++	+++
canine	+++	+++	+++	+++
monkey	+++	+++	+++	+++

+++ excellent, ++ good, + poor, ND not determined

Usage: Western blot	1:500-1:2,000
Immunofluorescence	1:50-1:200
Immunohistochemistry (paraffin)	1:200-1:1,000
Immunohistochemistry (frozen)	1:200-1:1,000

Storage: Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

Special instructions: Avoid freeze/thaw cycles.

References:

SICGEN - Research and Development in Biotechnology Ltd
Estrada do Pombalinho, Rabaçal, 3230-544 PENELA – PORTUGAL
www.sicgen.pt information@sicgen.pt

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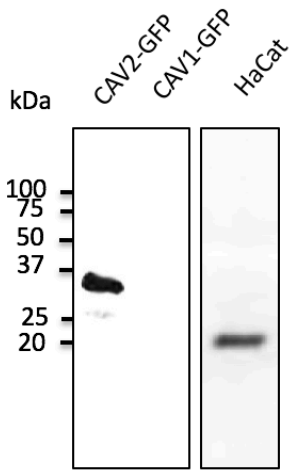
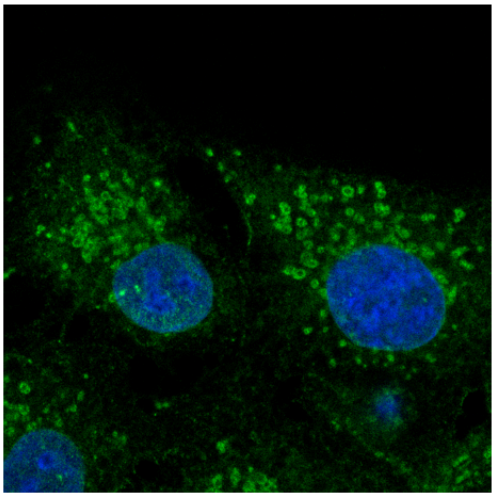


Anti-CAV2 at 1/1,000 dilution; 50 µg lysate per lane of transfected HEK293 and 100 µg of HaCat cell line; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



Immunofluorescence – anti-CAV2 Ab - Caveolae Marker at 1/100 dilution in NHI/3T3 cells; cells were fixed with methanol and permeabilized with 0.1% saponin;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.

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www.sicgen.pt information@sicgen.pt