

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Caveolin-2 antibodies are ideal for immunocytochemistry colocalization studies in caveolae. The unconjugated antibody detects endogenous human, mouse, and rat Caveolin-2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Caveolin-2 Met1-Lys86 Accession # P51636
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

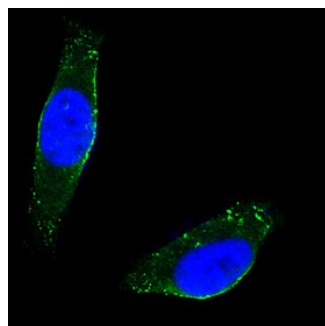
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Immunocytochemistry	1:10 dilution	See Below

DATA

Immunocytochemistry



Caveolin-2 in HeLa Human Cell Line.
Caveolin-2 was detected in formaldehyde fixed HeLa human cervical epithelial carcinoma cell line using Goat Anti-Human/Mouse/Rat Caveolin-2 Alexa Fluor® 488-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # IC5788G) at 1:10 dilution overnight at 4° C and counterstained with DAPI (blue). Specific staining was localized to caveolae. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Caveolin-2 is a cell membrane-associated member of the caveolin family of proteins. Although its predicted MW is 17 kDa, it runs anomalously at 21-22 kDa on SDS-PAGE. Caveolin-2 is not ubiquitous, but it is found in divergent cell types such as smooth muscle, endothelial, and skeletal muscle cells, plus fibroblasts and adipocytes. When expressed alone, Caveolin-2 forms monomers and homodimers; when expressed with Caveolin-1, it exists as part of a 150 kDa, Caveolin-1 associated oligomeric complex. Human Caveolin-2 is 162 amino acids (aa) in length. It contains a central membrane-embedded sequence (aa 87-107) flanked by two cytoplasmic domains (aa 1-86 and 108-162). Caveolin-2 has been found phosphorylated at tyrosines 19 and 27, and at serines 20, 23 and 36.

PRODUCT SPECIFIC NOTICES

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Human/Mouse/Rat Caveolin-2 Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG

Catalog Number: IC5788G

100 TESTS
