

DESCRIPTION

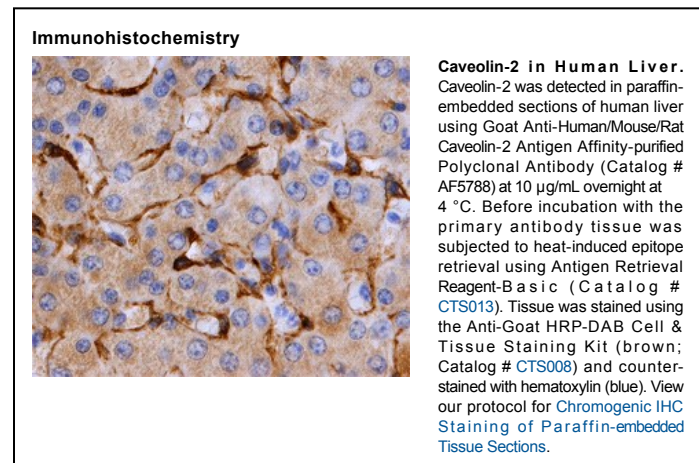
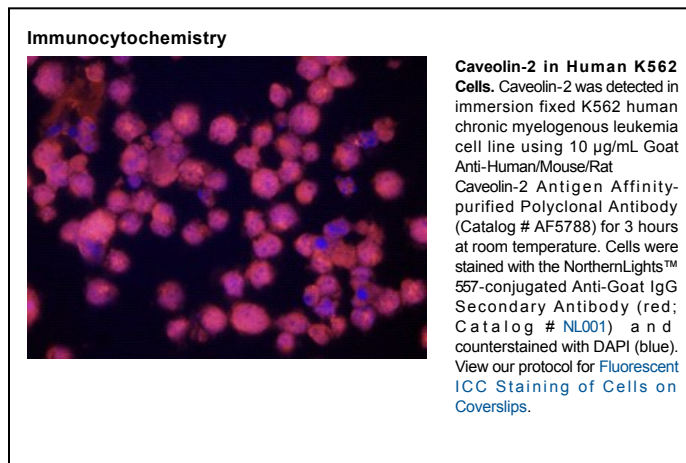
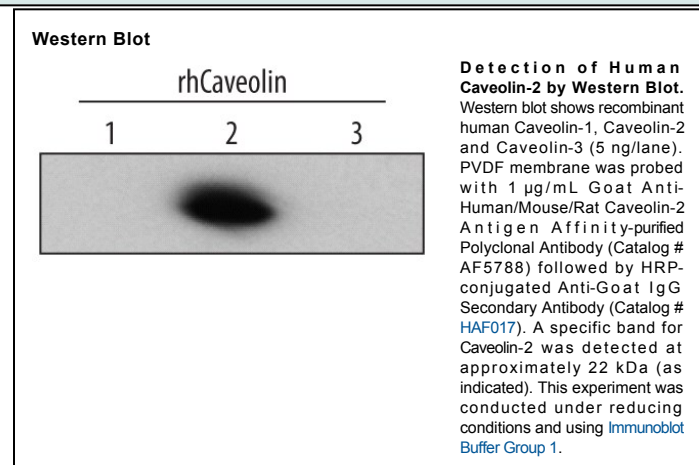
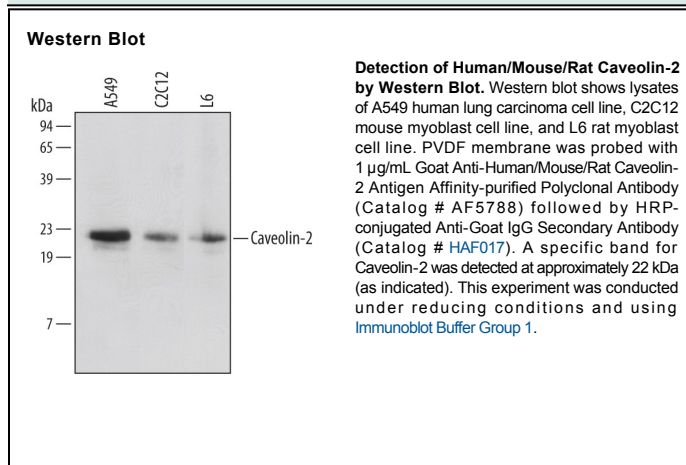
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat Caveolin-2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human Caveolin-2 Met1-Lys86 Accession # P51636
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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
Western Blot	1 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	See Below
Immunohistochemistry	5-15 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.