

## Anti-Caveolin 1 antibody (Internal) (STJ70728)

STJ70728

### GENERAL INFORMATION

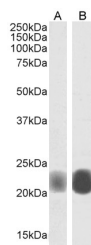
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Goat polyclonal antibody anti-Caveolin 1 (Internal) is suitable for use in ELISA, Western Blot, Immunofluorescence and Flow Cytometry research applications.
<b>Applications</b>	Pep-ELISA, WB, IF, FC
<b>Host/Source</b>	Goat
<b>Reactivity</b>	Human, Mouse, Rat, Dog, Pig

### PRODUCT PROPERTIES

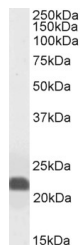
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	0.5 mg/mL
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Dilution Range</b>	WB-0.001-0.01µg/ml IHC-2.5µg/ml IF-Strong expression of the protein seen in the Golgi and membranes of A431 cells and in the cytoplasm and Golgi of U2OS cells. 10µg/ml ELISA-antibody detection limit dilution 1:8000.
<b>Formulation</b>	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store at -20 on receipt and minimise freeze-thaw cycles.

### TARGET INFORMATION

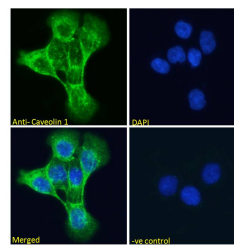
<b>Gene ID</b>	857
<b>Gene Symbol</b>	CAV1
<b>Uniprot ID</b>	CAV1_HUMAN
<b>Immunogen Region</b>	Internal
<b>Specificity</b>	This antibody is expected to recognize both reported isoforms (NP_001744.2; NP_001166366.1). Reported variants represent identical protein: NP_001166367.1, NP_001166368.1, NP_001166366.1. No cross-reactivity expected to Caveolin 2 and Caveolin 3
<b>Immunogen Sequence</b>	DELSEKQVYDAH



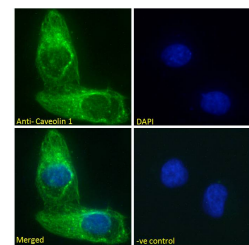
STJ70728 (0.003µg/ml) staining of A431 (A) and (0.001µg/ml) A549 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



STJ70728 (0.003µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



STJ70728 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml), showing Golgi and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml).



STJ70728 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml), showing Golgi and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml).

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
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