

villin1 Conjugated Antibody

Catalog No: #C49748

Package Size: #C49748-AF350 100ul #C49748-AF405 100ul #C49748-AF488 100ul #C49748-AF555 100ul #C49748-AF594 100ul #C49748-AF647 100ul #C49748-AF680 100ul #C49748-AF750 100ul #C49748-Biotin 100ul #C49748-Conjugated 50ul

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Description

Product Name	villin1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Applications	WB, IF, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	D2S1471 antibody OTTHUMP00000164145 antibody VIL antibody VIL1 antibody VILI_HUMAN antibody Villin 1 antibody Villin-1 antibody Villin1 antibody
Accession No.	Swiss-Prot#:P09327
Calculated MW	92/46 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

WB: 1:50-1:200

IF: 1:50-1:200

FC: 1:50-1:200

Background

Caldesmon, Filamin 1, Nebulin and Villin are differentially expressed and regulated Actin binding proteins. Both muscular (CDh) and non-muscular (CDI) forms of Caldesmon have been identified and each has been shown to bind to Actin as well as to calmodulin and myosin. CDh is expressed predominantly on thin filaments in smooth muscle, whereas CDI is widely expressed in non-muscle tissues and cells. Filamin 1, which is ubiquitously expressed and exists as a homodimer, functions to crosslink Actin to filaments. Nebulin is a large filamentous protein specific to muscle tissue that may function as a ruler for filament length. Several isoforms of Nebulin are produced by alternative exon usage. Villin is Ca²⁺-regulated and is the major structural component of the brush border of absorptive cells.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.