

For Research Use Only

CoraLite® Plus 488-conjugated Palladin Polyclonal antibody

Catalog Number: CL488-10853

Featured Product

1 Publications



Basic Information

Catalog Number:

CL488-10853

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1288

GenBank Accession Number:

BC013867

GeneID (NCBI):

23022

UNIPROT ID:

Q8WX93

Full Name:

palladin, cytoskeletal associated protein

Calculated MW:

1383 aa, 151 kDa

Observed MW:

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Cited Applications:

IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

IF/ICC : HeLa cells,

Background Information

Palladin is an actin associated protein serving as a cytoskeleton scaffold, and actin cross linker, localizing at stress fibers, focal adhesions, and other actin based structures. Palladin exists as multiple isoforms through alternative transcription initiation sites and splicing. There are three major isoforms (200, 140, 90-92 kDa) and multiple minor isoforms. Different palladin isoforms are expressed in a tissue-specific pattern during development and in adult organs: the 200 kDa isoform is predominantly expressed in the heart, skeletal muscle, testis and bone; the 140 kDa isoform is widely expressed with the exception of liver, muscle, and skin; the 90-92 kDa isoform is broadly expressed in embryonic tissues and highly expressed in adult smooth muscle tissues (21455759). Recently overexpression of palladin has been linked to the promoted invasive motility in several types of cancers (18978809, 22291919). The 85-90 kDa palladin isoform has been observed predominantly expressed in pancreatic ductal adenocarcinoma (PDA) while a 65 kDa isoform is expressed in normal pancreas and non-PDA tumors (20436683). This antibody, generated against the fragment 999-1383aa of palladin, recognizes most isoforms of this protein, except isoform 6.

Notable Publications

Author	Pubmed ID	Journal	Application
Kaitlin M Bruzzini	39692253	Cytoskeleton (Hoboken)	IF

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

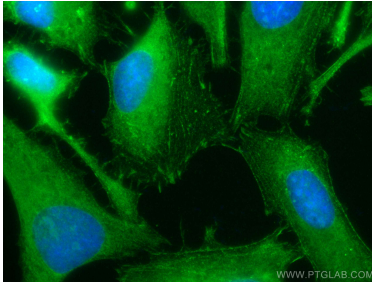
T: 4006900926

E: Proteintech-CN@ptglab.com

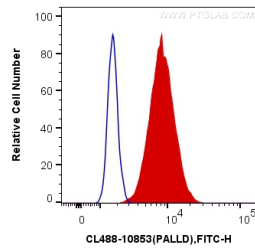
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 Palladin antibody (CL488-10853) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human Palladin (CL488-10853) (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).