

Palladin Polyclonal antibody

Catalog Number: 10853-1-AP

Featured Product

69 Publications

Basic Information

Catalog Number:

10853-1-AP

Size:

300 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:

95 kDa, 140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:20-1:200

Applications

Tested Applications:

FC, IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

COIP, IF, IHC, IP, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB: HeLa cells, A549 cells

IP: HeLa cells, HEK-293 cells

IHC: human colon cancer tissue, human breast cancer tissue, human colon tissue, human ovary tumor tissue

IF: HeLa cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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
Sheng Hu	36038029	Neurosci Lett	WB
Avital Gilam	27641360	Nat Commun	WB, IHC
Xiang Zhang	28924223	Sci Rep	WB, IF, COIP

Storage

Storage:

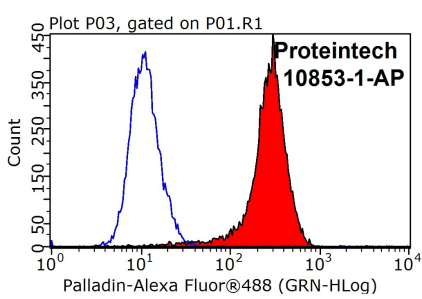
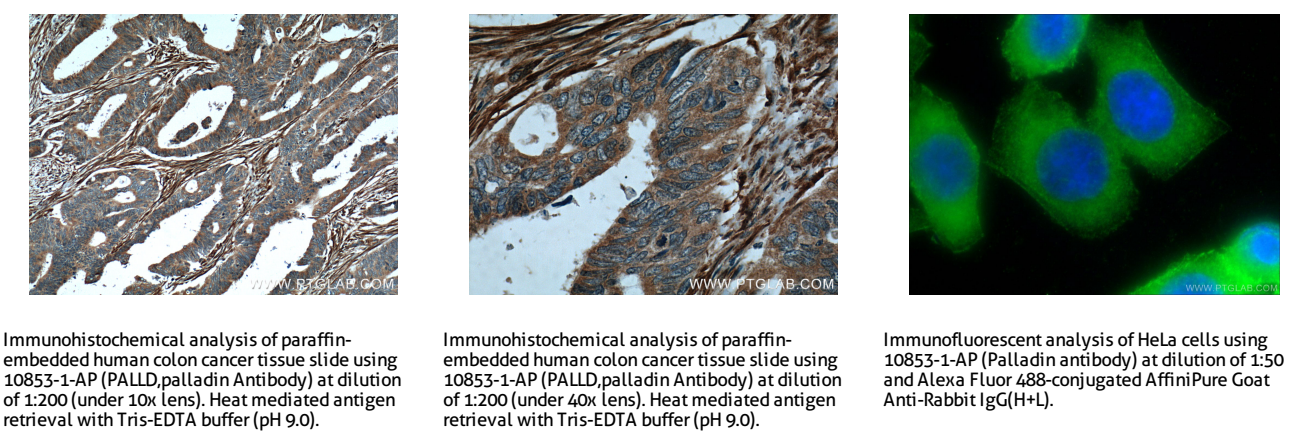
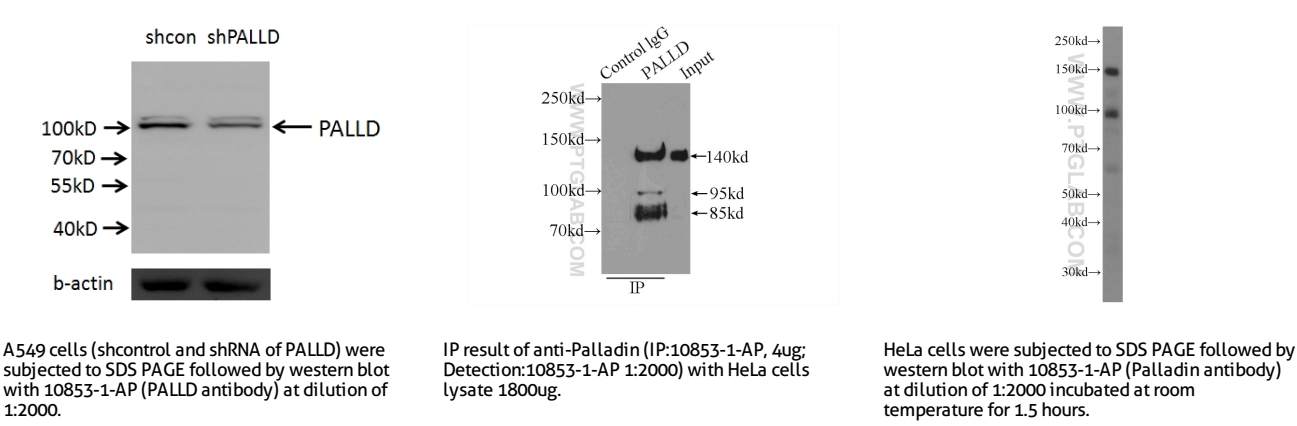
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1X10⁶ HeLa cells were stained with 0.2ug PALLD,palladin antibody (10853-1-AP, red) and control antibody (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100. Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.