

## PALLD

**Reactivity:** Human Mouse

**Tested applications:** WB IHC IF IP FC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:20 - 1:50  
FC 1:20 - 1:50

**Calculated MW:** 150kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant Protein of human PALLD

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

PALLD; CGI151; FLJ22190; FLJ38193; FLJ39139; KIAA0992; palladin; PALLD; PNCA1;

**Catalog #:** A5529

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 23022

**Isotype:** IgG

**Swiss Prot:** Q8WX93

**Purity:** Affinity purification

For research use only.

**Background:**

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.

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