

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Palladin in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Palladin Met1154-Gly1304 Accession # Q8WX93
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Palladin (a cytoarchitectural protein named after the 16th century Venetian architect Palladio) is a cytoplasmic member of the myotilin/palladin family of proteins. Palladin is widely expressed and interacts with actin-associated proteins, thus promoting actin bundle stability. Human Palladin is 1383 amino acids (aa) in length and contains five I-type Ig-like domains (aa 271-360; 440-539; 1001-1085; 1135-1226; 1233-1324), a Pro-rich region (aa 634-864) and nine potential Ser/Thr phosphorylation sites. Multiple isoform variants exist. Predominant are a 140 kDa and 92-95 kDa short form that show alternative start sites at Met383 and Met712, respectively. The 140 kDa isoform also shows a deletion of aa 656-879 to generate an approximately 115 kDa isoform.

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