

## Product datasheet for **CF812247**

### **PIN1 Mouse Monoclonal Antibody [Clone ID: OTI4H1]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI4H1
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB 1:500
<b>Reactivity:</b>	Human, Rat, Mouse
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human PIN1 (NP_006212) produced in E.coli.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	18.1 kDa
<b>Gene Name:</b>	peptidylprolyl cis/trans isomerase, NIMA-interacting 1
<b>Database Link:</b>	<a href="#">NP_006212</a> <a href="#">Entrez Gene 23988 Mouse</a> <a href="#">Entrez Gene 298696 Rat</a> <a href="#">Entrez Gene 5300 Human</a> <a href="#">Q13526</a>



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**Background:**

Peptidyl-prolyl cis/trans isomerases (PPIases) catalyze the cis/trans isomerization of peptidyl-prolyl peptide bonds. This gene encodes one of the PPIases, which specifically binds to phosphorylated ser/thr-pro motifs to catalytically regulate the post-phosphorylation conformation of its substrates. The conformational regulation catalyzed by this PPIase has a profound impact on key proteins involved in the regulation of cell growth, genotoxic and other stress responses, the immune response, induction and maintenance of pluripotency, germ cell development, neuronal differentiation, and survival. This enzyme also plays a key role in the pathogenesis of Alzheimer's disease and many cancers. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2011]

**Synonyms:**

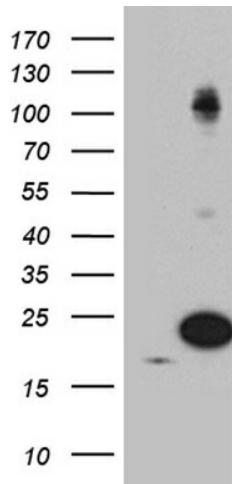
DOD; UBL5

**Protein Families:**

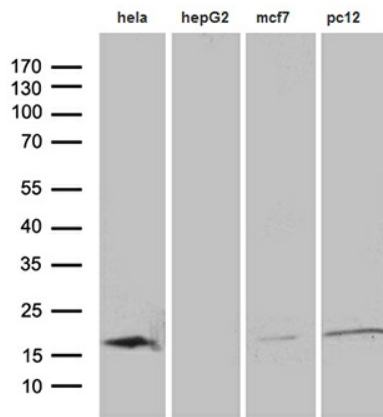
Druggable Genome

**Protein Pathways:**

RIG-I-like receptor signaling pathway

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PIN1 (Cat# [RC202543], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PIN1 antibody (Cat# [TA812247]). Positive lysates [LY401873] (100ug) and [LC401873] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 4 cell lines by using anti-PIN1 monoclonal antibody (1:500).