

For Research Use Only

# CoraLite®594-conjugated PINK1 Recombinant antibody

Catalog Number:CL594-81991-4



## Basic Information

<b>Catalog Number:</b> CL594-81991-4	<b>GenBank Accession Number:</b> BC028215	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 65018	<b>CloneNo.:</b> 240449E7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BXM7	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> PTEN induced putative kinase 1	
<b>Immunogen Catalog Number:</b> AG19825	<b>Calculated MW:</b> 581 aa, 63 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## Background Information

PINK1 is a mitochondrial serine/threonine-protein kinase that protects cells from stress-induced mitochondrial dysfunction. The precursor of PINK1 (65 kDa) is synthesized in the cytosol and is imported into the outer membrane of mitochondria. PINK1 is further transferred into the inner membrane. The full-length PINK1 can be proteolytically processed into 52-55 kDa and 45-46 kDa forms (PMID: 18221368; 25108683; 18031932). The half-life of the mature form of PINK1 is very short and it was proposed that the proteasome is involved in its degradation (PMID: 23472196). The gene of PINK1 maps to chromosome 1p36.12. Two alternatively spliced variants exist, the shorter isoform (30 kDa) produced by alternative splicing. Mutations in the PINK1 gene cause autosomal recessive early-onset Parkinson's disease.

## 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:

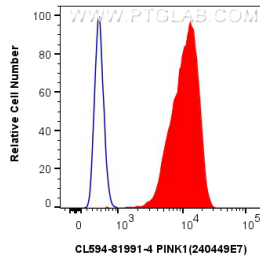
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.25 ug Coralite®594 Pink1 Recombinant Antibody (CL594-81991-4, Clone:240449E7)(red), or 0.25 ug Coralite®594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).