

For Research Use Only

CoraLite®594-conjugated PINK1 Recombinant antibody

Catalog Number:CL594-81991-4



Basic Information

Catalog Number:

CL594-81991-4

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19825

GenBank Accession Number:

BC028215

GeneID (NCBI):

65018

UNIPROT ID:

Q9BXM7

Full Name:

PTEN induced putative kinase 1

Calculated MW:

581 aa, 63 kDa

Observed MW:

46 kDa

Purification Method:

Protein A purification

CloneNo.:

240449E7

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

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

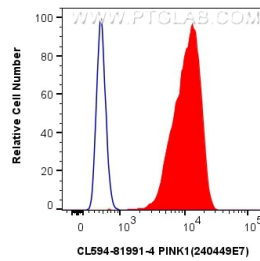
For technical support and original validation data for this product please contact:

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Group brand and is not available to purchase from any
other manufacturer.

Selected Validation Data



1x10⁶ 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).