

PACO55170

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## Product Information

**Size:**

50ug

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IHC, IF

**Recommended dilutions:**

ELISA:1:2000-1:10000, IHC:1:20-1:200,  
IF:1:50-1:200

**Protein Background:**

Positively regulates autophagy through a calcium-dependent activation of the CaMKK/AMPK signaling pathway. The process involves activation of nicotinic acid, adenine dinucleotide phosphate (NAADP) receptors, increase in lysosomal pH, and calcium release from lysosomes. Together with RAB29, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner. Regulates neuronal process morphology in the intact central nervous system (CNS). Plays a role in synaptic vesicle trafficking. Phosphorylates PRDX3. Has GTPase activity. May play a role in the phosphorylation of proteins central to Parkinson disease.

**Gene ID:**

LRRK2

**Uniprot**

Q5S007

**Synonyms:**

Leucine-rich repeat serine/threonine-protein kinase 2 (EC 2.7.11.1) (Dardarin), LRRK2, PARK8

**Immunogen:**

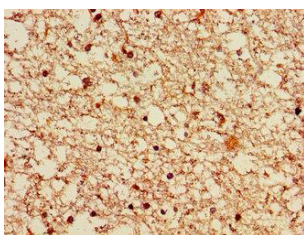
Recombinant Human Leucine-rich repeat serine/threonine-protein kinase 2 protein (2029-2275AA).

**Storage:**

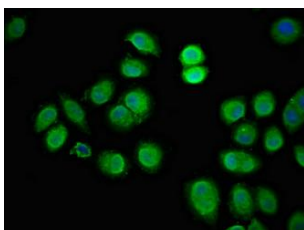
Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

## Product Images

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Immunohistochemistry of paraffin-embedded human brain tissue using PACO55170 at dilution of 1:100.



Immunofluorescent analysis of A549 cells using PACO55170 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).