Parkinson's Research Antibody Sampler Kit

K2003

Contains Product	Specification	Applications	Species reactivity	MW(kDa)
PARK7/DJ1[ET1611-45]	20μl	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	H,M	20 kDa
LRRK2[ER1706-54]	20μl	WB,IF-Cell,IHC-P	H,M	286 kDa
Parkin[ET1702-60]	20μl	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	H,M,R	52 kDa
PINK1[ER1706-27]	20μl	WB,IF-Cell,IHC-P	H,M	63 kDa
Alpha-Synuclein[ET7107-31]	20μl	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	H,M	14 kDa
HRP-Alpacaanti-RabbitIgG Fc,RecombinantVHH[HA1031]	100μl	IP,ELISA,IHC-P,WB	Rab	

Description: Parkinson's Research Antibody Sampler Kit designed to provide you with a variety of trial-size antibodies in a convenient and cost-effective format. The kit can be used to detect some Parkinson's protein. And also includes secondary reagent for detection of these antibodies.

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

Background

α-Synuclein, a 140 amino acid protein expressed abundantly in the brain, is a major component of aggregates found in Lewy bodies. Parkin is involved in protein degradation through the ubiquitin-proteasome pathway, and investigators have shown that mutations in Parkin cause early onset of PD.

In the case of autosomal recessive juvenile Parkinsonism (AR-JP), deletions have been found on chromosome 6 in the Parkin gene . Mutations of PINK1 are associated with loss of protective function, mitrochondrial dysfunction, aggregation of α-synuclein, and proteasome dysfunction. DJ-1 is involved in multiple cellular functions; it has been shown to cooperate with Ras to increase cell transformation, to regulate transcription of the androgen receptor, and may function as an indicator of oxidative stress, while loss-of-function mutations in DJ-1 cause early onset of PD. Leucine-rich repeat kinase 2 (LRRK2) contains amino-terminal leucine-rich repeats (LRR), a Ras-like small GTP binding protein-like (ROC) domain, an MLK protein kinase domain, and a carboxy-terminal WD40-repeat. At least 20 LRRK2 mutations have been linked to PD.

Database links: UniProt ID: Q99497, Q99LX0, O88767, Q5S007, Q5S006, O60260, Q9WVS6, Q9JK66, Q9BXM7, Q99MQ3, P37840, O55042

No Images

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

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