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GLUP / PACRG Antibody (aa204-215)

Rabbit Polyclonal Antibody

Catalog # ALS11257

Specification

GLUP / PACRG Antibody (aa204-215) - Product Information

Application	**IHC**
Primary Accession	Q96M98
Reactivity	**Human, Mouse, Chicken**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**33kDa KDa**

GLUP / PACRG Antibody (aa204-215) - Additional Information

Gene ID 135138

Other Names
Parkin coregulated gene protein, Molecular chaperone/chaperonin-binding protein, PARK2 coregulated gene protein, PACRG, GLUP

Target/Specificity
Amino acids 204-215 of Human PACRG protein.

Reconstitution & Storage
+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions
GLUP / PACRG Antibody (aa204-215) is for research use only and not for use in diagnostic or therapeutic procedures.

GLUP / PACRG Antibody (aa204-215) - Protein Information

Name PACRG

Synonyms GLUP

Function
Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (PubMed:36191189). Suppresses cell death induced by accumulation of unfolded Pael receptor (Pael-R, a substrate of Parkin) (PubMed:14532270). Facilitates the formation of inclusions consisting of Pael-R, molecular chaperones, protein degradation molecules and itself when proteasome is inhibited (PubMed:14532270). May play an important role in the formation of Lewy bodies and protection of dopaminergic neurons against Parkinson disease (PubMed:<a href="http://www.uniprot.org/citations/14532270"

target="_blank">14532270).

Cellular Location
Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:Q9DAK2}

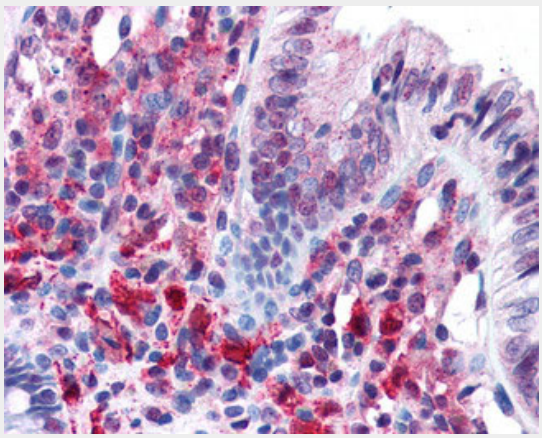
Tissue Location
Expressed in all immune tissues, spleen, lymph nodes, thymus, tonsils, leukocyte and bone marrow. Expressed also in heart, brain, skeletal muscle, kidney, lung and pancreas. Expressed in primary Schwann cells and very weakly by monocyte-derived macrophages the primary host cells of Mycobacterium leprae, the causative agent of leprosy. Component of Lewy bodies, intraneuronal inclusions found in the brain of Parkinson disease patients.

GLUP / PACRG Antibody (aa204-215) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GLUP / PACRG Antibody (aa204-215) - Images



Anti-PACRG antibody IHC of human colon.

GLUP / PACRG Antibody (aa204-215) - Background

Suppresses cell death induced by accumulation of unfolded Pael receptor (Pael-R, a substrate of Parkin). Facilitates the formation of inclusions consisting of Pael-R, molecular chaperones, protein degradation molecules and itself when proteasome is inhibited. May play an important role in the formation of Lewy bodies and protection of dopaminergic neurons against Parkinson disease.

GLUP / PACRG Antibody (aa204-215) - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).

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