

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). 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 (PubMed:14532270).

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme

Tissue Location

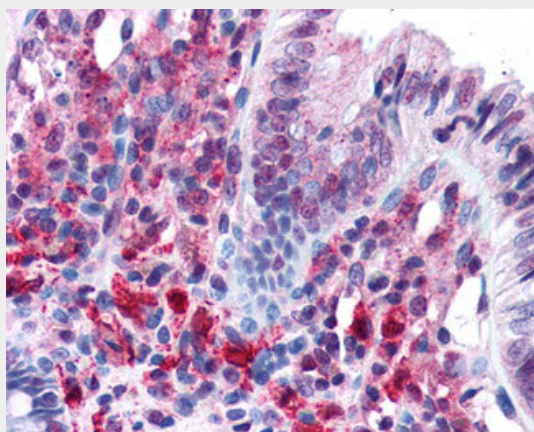
Expressed in all immune tissues, spleen, lymph nodes, thymus, tonsils, leukocyte and bone marrow. Expressed also in heart, brain, skeletal muscle, kidney, lung and pancreas. Expressed in primary Schwann cells and very weakly by monocyte-derived macrophages the primary host cells of *Mycobacterium leprae*, 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 Cytometry](#)
- [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

- West A.B., et al. J. Mol. Biol. 326:11-19(2003).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mungall A.J., et al. Nature 425:805-811(2003).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Imai Y., et al. J. Biol. Chem. 278:51901-51910(2003).

