

GGA3 Antibody (aa400-415)
Rabbit Polyclonal Antibody
Catalog # ALS11328**Specification****GGA3 Antibody (aa400-415) - Product Information**

Application	IHC, WB
Primary Accession	O9NZ52
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78kDa KDa

GGA3 Antibody (aa400-415) - Additional Information**Gene ID** 23163**Other Names**

ADP-ribosylation factor-binding protein GGA3, Golgi-localized, gamma ear-containing, ARF-binding protein 3, GGA3, KIAA0154

Target/Specificity

Amino acids 400-415 of Human GGA3.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

GGA3 Antibody (aa400-415) is for research use only and not for use in diagnostic or therapeutic procedures.

GGA3 Antibody (aa400-415) - Protein Information**Name** GGA3 {ECO:0000312|MIM:606006}**Synonyms** KIAA0154**Function**

Plays a role in protein sorting and trafficking between the trans-Golgi network (TGN) and endosomes. Mediates the ARF-dependent recruitment of clathrin to the TGN and binds ubiquitinated proteins and membrane cargo molecules with a cytosolic acidic cluster-dileucine (DXXLL) motif (PubMed:11301005). Mediates export of the GPCR receptor ADRA2B to the cell surface (PubMed:26811329). Involved in BACE1 transport and sorting as well as regulation of BACE1 protein levels (PubMed:17553422, PubMed:15615712, PubMed:20484053).

target="_blank">20484053). Regulates retrograde transport of BACE1 from endosomes to the trans-Golgi network via interaction through the VHS motif and dependent of BACE1 phosphorylation (PubMed:15615712). Modulates BACE1 protein levels independently of the interaction between VHS domain and DXXLL motif through recognition of ubiquitination (PubMed:20484053). Key player in a novel DXXLL-mediated endosomal sorting machinery to the recycling pathway that targets NTRK1 to the plasma membrane (By similarity).

Cellular Location

Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein. Early endosome membrane; Peripheral membrane protein. Recycling endosome membrane {ECO:0000250|UniProtKB:A0A0G2JV04}; Peripheral membrane protein

Tissue Location

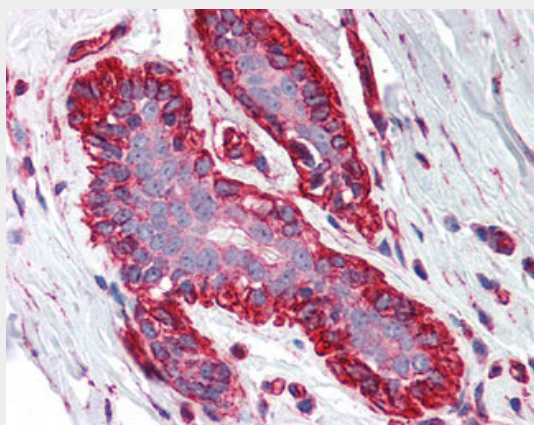
Ubiquitously expressed.

GGA3 Antibody (aa400-415) - Protocols

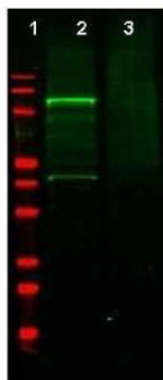
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GGA3 Antibody (aa400-415) - Images



Anti-GGA3 antibody IHC of human breast.



Anti-GGA3 Antibody - Western Blot.

GGA3 Antibody (aa400-415) - Background

Plays a role in protein sorting and trafficking between the trans-Golgi network (TGN) and endosomes. Mediates the ARF- dependent recruitment of clathrin to the TGN and binds ubiquitinated proteins and membrane cargo molecules with a cytosolic acidic cluster-dileucine (AC-LL) motif.

GGA3 Antibody (aa400-415) - References

Dell'Angelica E.C.,et al.J. Cell Biol. 149:81-94(2000).
Boman A.L.,et al.Mol. Biol. Cell 11:1241-1255(2000).
Nagase T.,et al.DNA Res. 2:167-174(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).