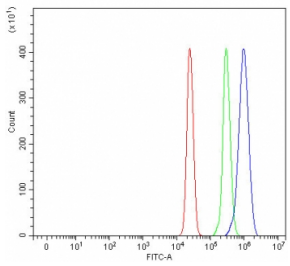
PIGV Antibody / GPI mannosyltransferase 2 (RQ8080)

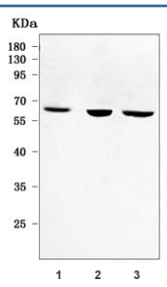
Catalog No.	Formulation	Size
RQ8080	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NUD9
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This PIGV antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human U937 cells with PIGV antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PIGV antibody.



Western blot testing of human 1) HaCaT, 2) A431 and 3) K562 cell lysate with PIGV antibody. Predicted molecular weight ~56 kDa.

Description

GPI mannosyltransferase 2 is an enzyme that in humans is encoded by the PIGV gene. This gene encodes a mannosyltransferase enzyme involved in the biosynthesis of glycosylphosphatidylinositol (GPI). GPI is a complex glycolipid that functions as a membrane anchor for many proteins and plays a role in multiple cellular processes including protein sorting and signal transduction. The encoded protein is localized to the endoplasmic reticulum and transfers the second mannose to the GPI backbone. Mutations in this gene are associated with hyperphosphatasia cognitive disability syndrome. Alternatively spliced transcript variants have been observed for this gene.

Application Notes

Optimal dilution of the PIGV antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q26-Y470) was used as the immunogen for the PIGV antibody.

Storage

After reconstitution, the PIGV antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.