

## ARG43940 anti-PIGV antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PIGV
Tested Reactivity	Hu
Tested Application	ELISA, FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PIGV
Species	Human
Immunogen	Human PIGV recombinant protein
Conjugation	Un-conjugated
Alternate Names	PIGV; Phosphatidylinositol Glycan Anchor Biosynthesis Class V; GPI Mannosyltransferase 2; GPI-MT-II; PIG-V; Dol-P-Man Dependent GPI Mannosyltransferase II; GPI Mannosyltransferase II; FLJ20477; Phosphatidylinositol-Glycan Biosynthesis Class V Protein; Dol-P-Man Dependent GPI Mannosyltransferase; Phosphatidylinositol Glycan, Class V; Ybr004c Homolog; EC 2.4.1.- ; HPMRS1

### Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 <sup>6</sup> cells
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

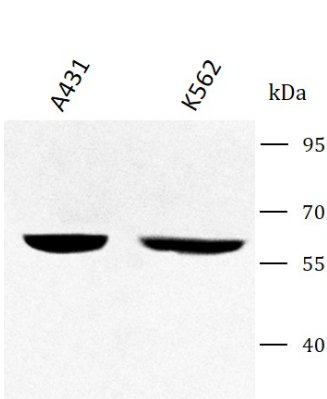
### Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

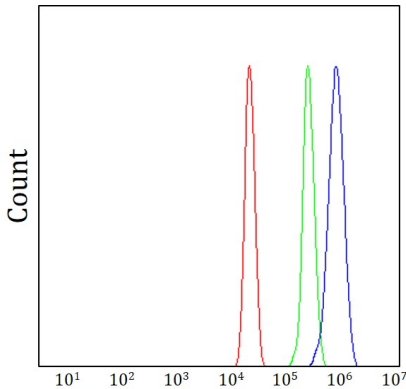
Gene Symbol	PIGV
Gene Full Name	Phosphatidylinositol Glycan Anchor Biosynthesis Class V
Background	This gene encodes a mannosyltransferase enzyme involved in the biosynthesis of glycosylphosphatidylinositol (GPI). GPI is a complex glycolipid that functions as a membrane anchor for many proteins and plays 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.
Function	Alpha-1,6-mannosyltransferase involved in glycosylphosphatidylinositol-anchor biosynthesis. Transfers the second mannose to the glycosylphosphatidylinositol during GPI precursor assembly.
Calculated Mw	56 kDa
Cellular Localization	Endoplasmic reticulum, Membrane

Images



ARG43940 anti-PIGV antibody WB image

Western blot: A431 and K562 stained with ARG43940 anti-PIGV antibody at 0.5 µg/mL dilution.



ARG43940 anti-PIGV antibody FACS image

Flow Cytometry: U937 cells stained with ARG43940 anti-PIGV antibody (blue) at 1 µg/1x10<sup>6</sup> cells dilution.