

## ARG44391 anti-PXYLP1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PXYLP1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PXYLP1
Species	Human
Immunogen	Human PXYLP1 recombinant protein (aa. sequence: K45-D459).
Conjugation	Un-conjugated
Alternate Names	PXYLP1; 2-Phosphoxylose Phosphatase 1; ACPL2; Acid Phosphatase-Like Protein 2; Epididymis Luminal Protein 124; Acid Phosphatase-Like 2; Xylosyl Phosphatase

### Application Instructions

Application table	Application	Dilution
	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

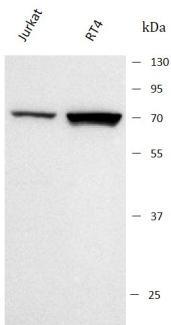
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Gene Symbol	PXYLP1
Gene Full Name	2-Phosphoxylose Phosphatase 1
Background	Enables phosphatase activity. Involved in chondroitin sulfate proteoglycan biosynthetic process; glycosaminoglycan biosynthetic process; and positive regulation of heparan sulfate proteoglycan biosynthetic process. Located in Golgi apparatus.
Function	Responsible for the 2-O-dephosphorylation of xylose in the glycosaminoglycan-protein linkage region of proteoglycans thereby regulating the amount of mature glycosaminoglycan (GAG) chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUA $\beta$ 1-3Gal $\beta$ 1-3Gal $\beta$ 1-4Xyl $\beta$ 1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases. Xylose 2-O-dephosphorylation during completion of linkage region formation is a prerequisite for the initiation and efficient elongation of the repeating disaccharide region of GAG chains.
Calculated Mw	55 kDa
PTM	Glycoprotein
Cellular Localization	Golgi apparatus, Membrane

Images

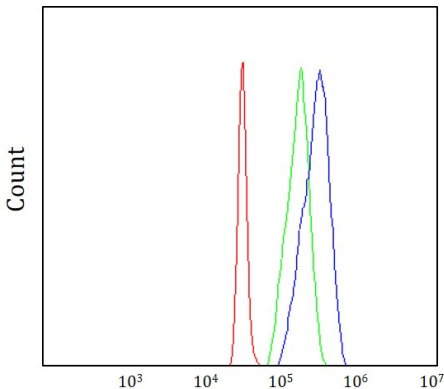
ARG44391 anti-PXYLP1 antibody WB image

Western blot: Jurkat and RT4 stained with ARG44391 anti-PXYLP1 antibody at 0.5  $\mu$ g/mL dilution.



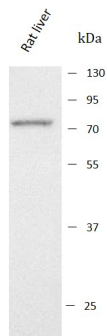
ARG44391 anti-PXYLP1 antibody FACS image

Flow Cytometry: SH-SY5Y stained with ARG44391 anti-PXYLP1 antibody at 1, 1  $\mu$ g/ $10^6$  cells dilution.



#### ARG44391 anti-PXYLP1 antibody WB image

Western blot: Rat liver stained with ARG44391 anti-PXYLP1 antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



#### ARG44391 anti-PXYLP1 antibody WB image

Western blot: Mouse liver stained with ARG44391 anti-PXYLP1 antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.

