

ARG43915 anti-PDXP antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDXP
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDXP
Species	Human
Immunogen	Human PDXP recombinant protein
Conjugation	Un-conjugated
Alternate Names	PDXP; Pyridoxal Phosphatase; CIN; Chronophin; DJ37E16.5; Pyridoxal (Pyridoxine, Vitamin B6) Phosphatase; Pyridoxal Phosphate Phosphatase; PLP Phosphatase; EC 3.1.3.74; FLJ32703; PLP; Testicular Secretory Protein Li 36; EC 3.1.3.16; EC 3.1.3; PLPP

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 ⁶ 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

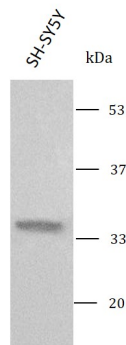
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PDXP
Gene Full Name	Pyridoxal Phosphatase
Background	Pyridoxal 5-prime-phosphate (PLP) is the active form of vitamin B6 that acts as a coenzyme in maintaining biochemical homeostasis. The preferred degradation route from PLP to 4-pyridoxic acid involves the dephosphorylation of PLP by PDXP.
Function	Also functions as a protein serine phosphatase that specifically dephosphorylates 'Ser-3' in proteins of the actin-depolymerizing factor (ADF)/cofilin family like CFL1 and DSTN. Thereby, regulates cofilin-dependent actin cytoskeleton reorganization, being required for normal progress through mitosis and normal cytokinesis. Does not dephosphorylate phosphothreonines in LIMK1. Does not dephosphorylate peptides containing phosphotyrosine.
Calculated Mw	32 kDa
Cellular Localization	Cell membrane, Cell projection, Cytoplasm, Cytoskeleton, Membrane

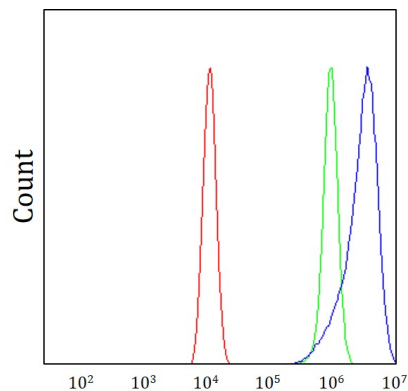
Images

ARG43915 anti-PDXP antibody WB image



Western blot: SH-SY5Y stained with ARG43915 anti-PDXP antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.

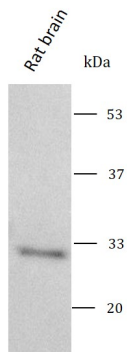
ARG43915 anti-PDXP antibody FACS image



Flow Cytometry: HEL cells stained with ARG43915 anti-PDXP antibody (blue) at 1 $\mu\text{g}/1 \times 10^6$ cells dilution.

ARG43915 anti-PDXP antibody WB image

Western blot: Rat brain stained with ARG43915 anti-PDXP antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG43915 anti-PDXP antibody WB image

Western blot: Mouse brain stained with ARG43915 anti-PDXP antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.

