

PDXDC1 Monoclonal antibody, PBS Only

Catalog Number: **68278-1-PBS**

Basic Information

Catalog Number: 68278-1-PBS	GenBank Accession Number: BC033748	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 23042	CloneNo.: 1E6E2
Source: Mouse	UNIPROT ID: Q6P996	
Isotype: IgG1	Full Name: pyridoxal-dependent decarboxylase domain containing 1	
Immunogen Catalog Number: AG15489	Calculated MW: 788 aa, 87 kDa	
	Observed MW: 87 kDa	

Applications

Tested Applications:
WB, IF, ELISA

Species Specificity:
Human, mouse, rat, pig

Background Information

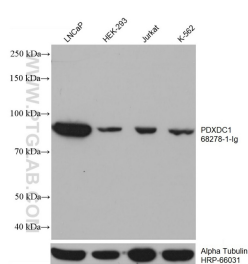
PDXDC1 (pyridoxal-dependent decarboxylase domain containing 1) is a putative enzyme that could metabolize catecholamine neurotransmitters (PMID:28485732). With prior evidence for involvement with glioblastoma from other previously reported experimental settings, and contains the lead single nucleotide polymorphism (rs3198697) from the linkage analysis of the chromosome 16 region (PMID:32644145). Moreover, PDXDC1 is involved in the catalysis of the nonhydrolytic addition or removal of a carboxyl group to or from a compound (PMID:29277971).

Storage

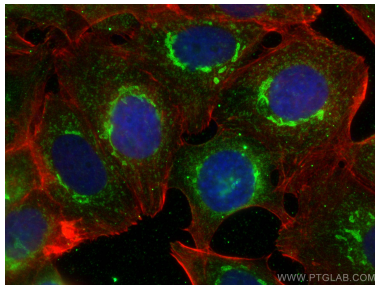
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

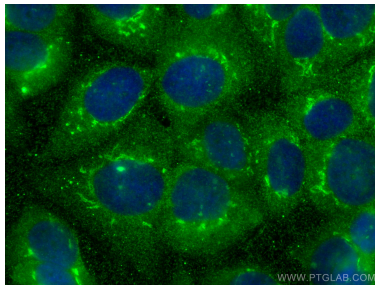
Selected Validation Data



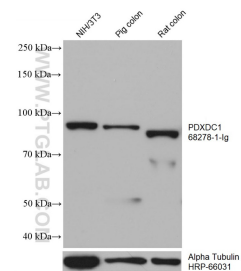
Various lysates were subjected to SDS PAGE followed by western blot with 68278-1-Ig (PDXDC1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 68278-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using PDXDC1 antibody (68278-1-Ig, Clone: 1E6E2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68278-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using PDXDC1 antibody (68278-1-Ig, Clone: 1E6E2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68278-1-PBS in a different storage buffer formulation.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68278-1-Ig (PDXDC1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 68278-1-PBS in a different storage buffer formulation.