

For Research Use Only

NIT2 Monoclonal antibody, PBS Only

Catalog Number: 68169-1-PBS



Basic Information

Catalog Number: 68169-1-PBS	GenBank Accession Number: BC020620	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 56954	CloneNo.: 1E5B1
Source: Mouse	UNIPROT ID: Q9NQR4	
Isotype: IgG2b	Full Name: nitrilase family, member 2	
Immunogen Catalog Number: AG9889	Calculated MW: 276 aa, 31 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat, pig

Background Information

NIT2 belongs to a branch of the nitrilase superfamily of enzymes that cleave carbon-nitrogen bonds. NIT2 functions as an omega-amidase and catalyzes hydrolysis of alpha-ketoglutaramate, forming alpha-ketoglutarate and ammonia. This reaction is also functionally coupled with a subset of transaminases that reaminate the keto acid analogs of some essential amino acids, most particularly methionine and phenylalanine.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

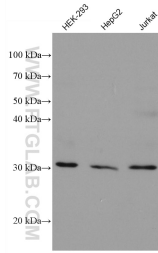
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

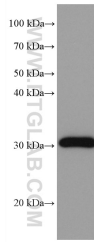
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

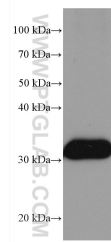
Selected Validation Data



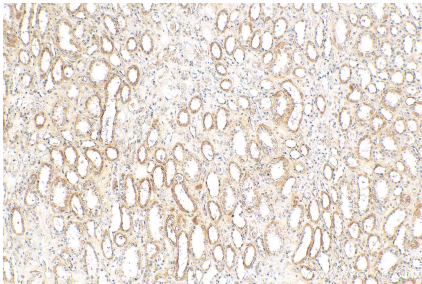
Various lysates were subjected to SDS PAGE followed by western blot with 68169-1-Ig (NIT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68169-1-PBS in a different storage buffer formulation.



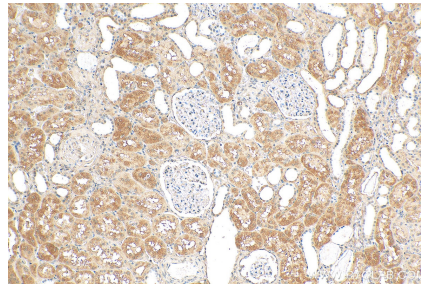
pig liver tissue were subjected to SDS PAGE followed by western blot with 68169-1-Ig (NIT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68169-1-PBS in a different storage buffer formulation.



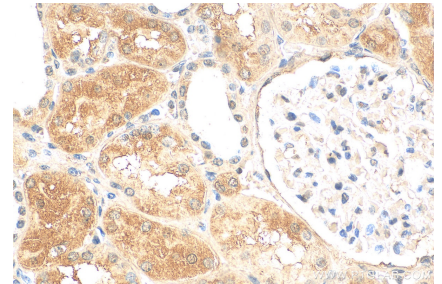
rat liver tissue were subjected to SDS PAGE followed by western blot with 68169-1-Ig (NIT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68169-1-PBS in a different storage buffer formulation.



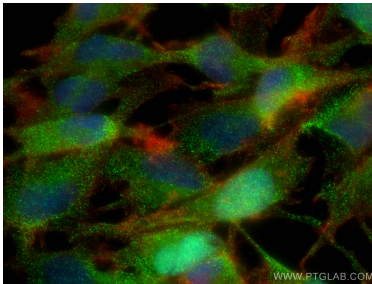
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 68169-1-Ig (NIT2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68169-1-PBS in a different storage buffer formulation.



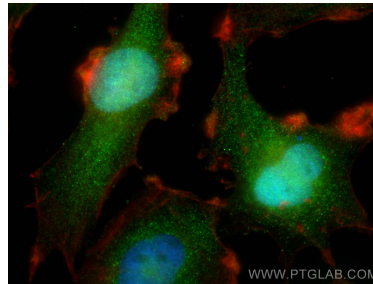
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 68169-1-Ig (NIT2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68169-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 68169-1-Ig (NIT2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68169-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using NIT2 antibody (68169-1-Ig. Clone: 1E5B1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68169-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using NIT2 antibody (68169-1-Ig. Clone: 1E5B1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68169-1-PBS in a different storage buffer formulation.