

For Research Use Only

PROSER1 Polyclonal antibody, PBS Only

Catalog Number: 31494-1-PBS



Basic Information

Catalog Number: 31494-1-PBS	GenBank Accession Number: NM_025138.4	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 80209	
Source: Rabbit	UNIPROT ID: Q86XN7	
Isotype: IgG	Full Name: chromosome 13 open reading frame 23	
Immunogen Catalog Number: AG35678	Calculated MW: 96kDa 944aa	
	Observed MW: 100 kDa	

Applications

Tested Applications:
IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:
human

Background Information

PROSER1 (proline- and serine-rich 1) is a chromatin-binding protein encoded by the 13q13.3 locus. It interacts with all three TET enzymes and serves as the core scaffold of the TOPD (TET-OGT-PROSER1-DBHS) complex, stabilizing the binding between TET2 and OGT while promoting O-GlcNAcylation, thereby enhancing DNA demethylation activity. PROSER1 has recently been found to be associated with neurodevelopmental disorders.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

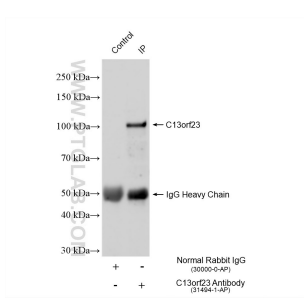
For technical support and original validation data for this product please contact:

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

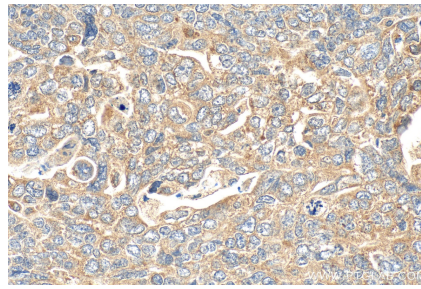
E: proteintech@ptglab.com
W: ptglab.com

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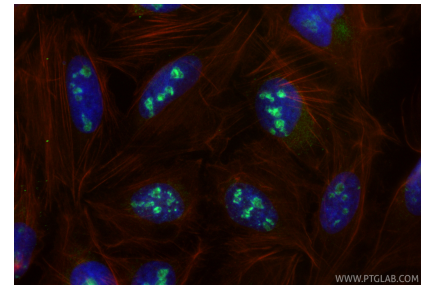
Selected Validation Data



IP result of anti-C13orf23 (IP:31494-1-AP, 4ug; Detection:31494-1-AP 1:500) with Jurkat cells lysate 1800 ug. This data was developed using the same antibody clone with 31494-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 31494-1-AP (C13orf23 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31494-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using PROSER1 antibody (31494-1-AP) at dilution of 1:200 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 31494-1-PBS in a different storage buffer formulation.