

C14orf138 Polyclonal antibody

Catalog Number: 24722-1-AP

Basic Information

Catalog Number: 24722-1-AP	GenBank Accession Number: BC105118	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 240 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79609	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: chromosome 14 open reading frame 138	
Isotype: IgG	Calculated MW: 229 aa, 26 kDa	
Immunogen Catalog Number: AG20154	Observed MW: 45-50 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : PC-3 cells, HepG2 cells, human testis tissue IHC : mouse testis tissue,
Species Specificity: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

C14orf138, also named as VCPKMT or METTL21D, is 229 amino acid protein, which belongs to the methyltransferase superfamily. C14orf138 localizes in the cytoplasm and interacts with ALKBH6. C14orf138 as a Protein-lysine N-methyltransferase that specifically trimethylates 'Lys-315' of VCP/p97; this modification may decrease VCP ATPase activity. C14orf138 exists as five isoforms. The calculated molecular weight of C14orf138 is 26 kDa, but we always detected a 46-50 kDa protein by western blot.

Storage

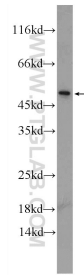
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

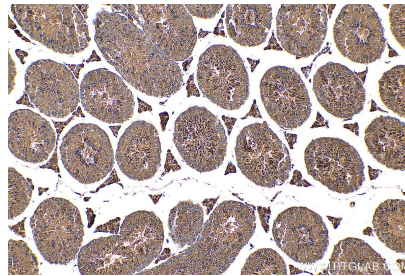
For technical support and original validation data for this product please contact:
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Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 24722-1-AP (C14orf138 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 24722-1-AP (C14orf138 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).