

For Research Use Only

ZSCAN29 Polyclonal antibody

Catalog Number: 21630-1-AP



Basic Information

Catalog Number: 21630-1-AP	GenBank Accession Number: BC109271	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 146050	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8I8WY8	
Isotype: IgG	Full Name: zinc finger and SCAN domain containing 29	
Immunogen Catalog Number: AG16239	Calculated MW: 852 aa, 97 kDa	
	Observed MW: 96-97 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells
Species Specificity: human	IHC : human colon tissue,

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

ZSCAN29 (zinc finger and SCAN domain containing 29), also named as ZNF690 or Zfp690. It is predicted to be located in nucleus and ubiquitous expression in testis and lymph node. The calculated molecular weight of ZSCAN29 is 96 kDa. The genes ZSCAN29 (associated with five disorders: SCZ, BIP, MD, ASD and ADHD) and ZSCAN31 (associated with three disorders: SCZ, BIP and MD) encode zinc finger transcription factor proteins that belong to the krueppel C2H2-type zinc-finger protein family. Zinc finger proteins are essential in multiple regulatory mechanisms and some have been associated with psychiatric disorders as reviewed by Squassina et al., 2019 (PMID: 34637873). It also enables sequence-specific double-stranded DNA binding activity and be predicted to be involved in regulation of transcription by RNA polymerase II.

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

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

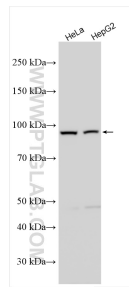
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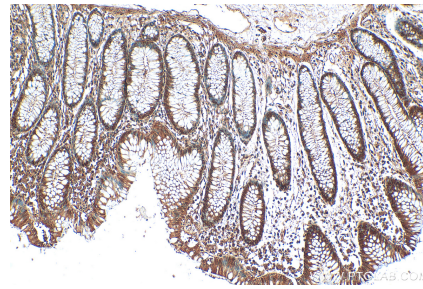
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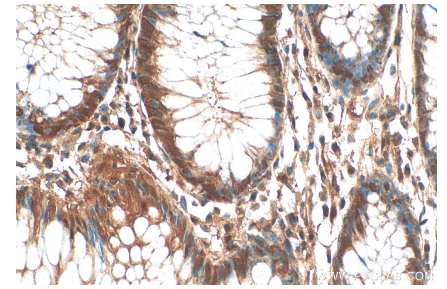
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21630-1-AP (ZSCAN29 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 21630-1-AP (ZSCAN29 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 21630-1-AP (ZSCAN29 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).