

For Research Use Only

# AVEN Polyclonal antibody, PBS Only

Catalog Number: 25846-1-PBS



## Basic Information

<b>Catalog Number:</b> 25846-1-PBS	<b>GenBank Accession Number:</b> BC010488	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57099	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NQ51	
<b>Isotype:</b> IgG	<b>Full Name:</b> apoptosis, caspase activation inhibitor	
<b>Immunogen Catalog Number:</b> AG23020	<b>Calculated MW:</b> 39 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

AVEN (Apoptosis caspase activation inhibitor) is known to play a role in male and female germ cell development. AVEN protein has also been shown to inhibit the mitochondrial apoptosis pathway by binding to and inhibiting the self-association of proapoptotic APAF-1, as well as binding to and enhancing antiapoptotic BCL-xL activity. AVEN has also recently been shown to function as an activator of the cell cycle-regulating ATM kinase in the DNA damage response pathway. Molecular weight of this protein detected by WB is 50 kDa (PMID: 22751129).

## Storage

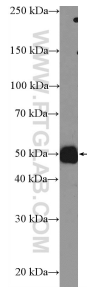
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

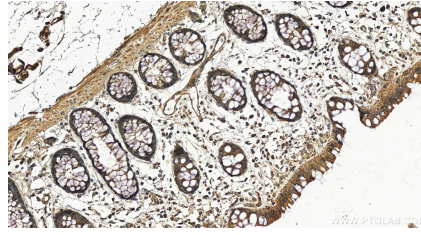
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 25846-1-AP (AVEN Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 25846-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 25846-1-AP (AVEN antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 25846-1-PBS in a different storage buffer formulation.