

For Research Use Only

# SCRIB Polyclonal antibody

Catalog Number: 27083-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 27083-1-AP	<b>GenBank Accession Number:</b> BC036905	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 23513	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14160	
<b>Isotype:</b> IgG	<b>Full Name:</b> scribbled homolog (Drosophila)	
<b>Immunogen Catalog Number:</b> AG25795	<b>Calculated MW:</b> 1630 aa, 175 kDa	
	<b>Observed MW:</b> 260 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : NIH/3T3 cells, IHC : human ovary cancer tissue,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

SCRIB encodes a large, 260-kDa cytoplasmic scaffolding protein that comprises a large leucine-rich repeat (LRR) region and 4 PDZ domains that regulate protein-protein interactions. In mammals, cell polarity is established and maintained by at least 3 protein modules (Scrib, Crumbs, and Par). The apical (Crumbs and Par) and basolateral (Scrib) modules function in a mutually antagonistic relationship to regulate various polarization processes such as apical-basal polarity, planar cell polarity, asymmetric cell division and migration. The loss of SCRIB in malignant tumors suggest that it has potential to be a tumor suppressor. Alteration of polarity through deletion, downregulation, overexpression, and mislocalization can induce structural and functional alteration of cells that might be related to tumorigenesis. Mislocalization of SCRIB is involved in epithelial-to-mesenchymal transition (EMT) by inducing loss of E-cadherin. Deregulated SCRIB expression induces tumorigenesis in breast and liver. (PMID: 28460446, PMID: 32564009)

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhenyong Xiao	35509839	Oxid Med Cell Longev	WB
Taha Rehmani	39366759	Life Sci Alliance	WB,IF

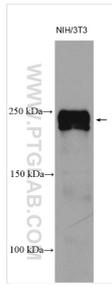
## Storage

**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

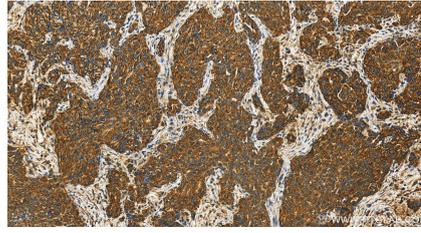
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 27083-1-AP (SCRIB antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 27083-1-AP (SCRIB antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).