

For Research Use Only

SCRIB Recombinant monoclonal antibody, PBS Only

Catalog Number: 87069-3-PBS



Basic Information

Catalog Number: 87069-3-PBS	GenBank Accession Number: NM_015356.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 23513	CloneNo.: 252246F10
Isotype: IgG	UNIPROT ID: Q14160	
Immunogen Catalog Number: EG6543	Full Name: scribbled homolog (Drosophila)	
	Calculated MW: 175 kDa	
	Observed MW: 260 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

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)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

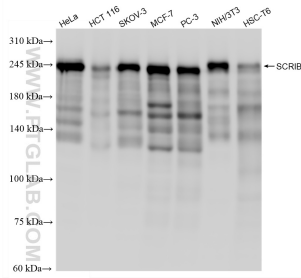
T: 4006900926

E: Proteintech-CN@ptglab.com

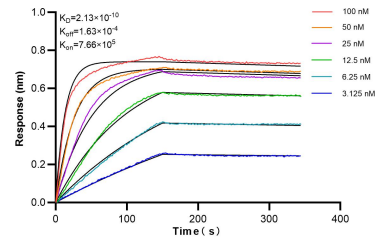
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87069-3-RR (SCRI B antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87069-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87069-3-RR against Human SCRI B were performed. The affinity constant is 0.213 nM.