

For Research Use Only

CoraLite®594-conjugated DACH1 Monoclonal antibody



Catalog Number: CL594-60082

1 Publications

Basic Information

Catalog Number: CL594-60082	GenBank Accession Number: BC021219	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 1602	CloneNo.: 3B6D2
Source: Mouse	UNIPROT ID: Q9UI36	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: dachshund homolog 1 (Drosophila)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG4474	Calculated MW: 79 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : mouse brain tissue,
Cited Applications: IF	
Species Specificity: human, rat, mouse	
Cited Species: human	

Background Information

DACH1, a homologue of the *Drosophila* dachshund gene, is a key regulator of cell fate determination during eye, leg, and brain development in the fly. Through interacting with NCoR and Smad4, DACH1 is able to inhibit the transforming growth factor-beta (TGF-beta) signaling pathway. DACH1 can inhibit breast cancer cellular proliferation via cyclin D1, suggesting a possible role in tumor suppression. Additionally, DACH1 plays an important role in negative regulation of RANKL (Receptor activator of NF-kappaB ligand) gene expression in marrow stromal/preosteoblast cells, and loss of DACH1 expression might be involved in endometrial cancer progression. Four isoforms of DACH1 are produced by alternative splicing, but isoform1(97-110 kd) is the predominantly expressed form in tissue. This antibody is a mouse monoclonal antibody raised against residues near the C terminus of human DACH1. The antibody is conjugated with CL594, Ex/Em 593 nm/614 nm.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiang Hu	32512510	EBioMedicine	IF

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

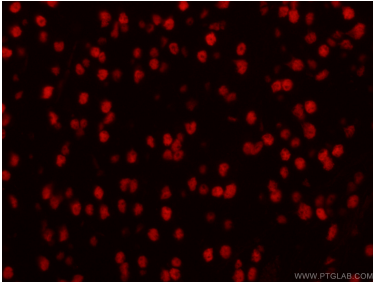
T: 4006900926

E: Proteintech-CN@ptglab.com

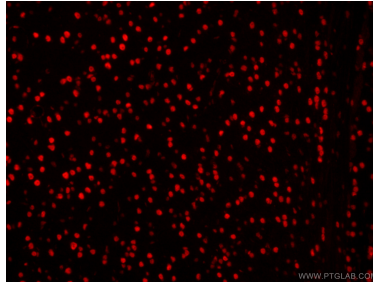
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CL594-60082 (DACH1 antibody) at dilution of 1:50.



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