

For Research Use Only

# Dysadherin Recombinant monoclonal antibody, PBS Only

Catalog Number: 85025-6-PBS



## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>85025-6-PBS                       | <b>GenBank Accession Number:</b><br>NM_001164605.2                    | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>53827  | <b>CloneNo.:</b><br>252907A7                          |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>Q96DB9  |   |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>FXYP domain containing ion transport regulator 5 |   |
| <b>Immunogen Catalog Number:</b><br>EG5715                  | <b>Calculated MW:</b><br>19 kDa                                       |   |
|   | <b>Observed MW:</b><br>35-55 kDa                                      |   |

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Dysadherin (also known as FXYP5) is a cancer-related transmembrane glycoprotein, belonging to FXYP family. It is overexpressed on the surface of many tumor cells, and promotes the movement, migration and metastasis of tumor cells by reducing E-cadherin(E- cadherin) dependent intercellular adhesion. Its main function also includes regulating the activity of Na<sup>+</sup>/K<sup>+</sup>-ATPase. It is also a typical "abnormal migration" protein-its SDS-PAGE apparent molecular weight (35-55 kDa) is much higher than the theoretical calculation value (~20 kDa). This difference is mainly caused by extensive O- glycosylation modification, which is particularly important in cancer research, because tumor cells often show a higher degree of glycosylation (50-55 kDa), which may be related to their metastasis promoting function(PMID: 17442482;41535258).

## Storage

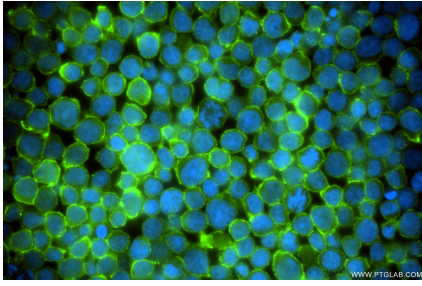
**Storage:**  
Store at -80°C.

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

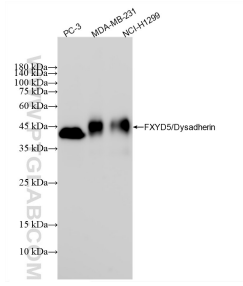
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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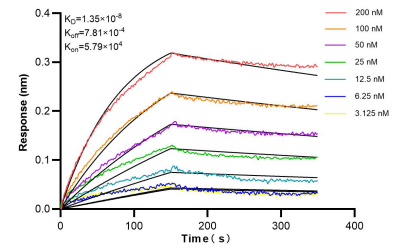
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using Dysadherin antibody (85025-6-RR, Clone: 252907A7) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 85025-6-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 85025-6-RR (FXYD5/Dysadherin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85025-6-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 85025-6-RR against Human Dysadherin were performed. The affinity constant is 13,5 nM.