

For Research Use Only

SYNPO2L Recombinant monoclonal antibody

Catalog Number: 83532-3-RR



Basic Information

Catalog Number:

83532-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34027

GenBank Accession Number:

BC142635

GeneID (NCBI):

79933

UNIPROT ID:

Q9H987

Full Name:

synaptopodin 2-like

Calculated MW:

977 aa, 102 kDa

Purification Method:

Protein A purification

CloneNo.:

240523F12

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

FC (Intra) : Caco-2 cells,

Background Information

SYNPO2L belongs to the synaptopodin family and is an actin-associated protein that may play a role in modulating actin-based shape. SYNPO2L is involved in the positive regulation of Rho protein signal transduction and the positive regulation of stress fiber assembly. Loss-of-function variants in the SYNPO2L gene are associated with atrial fibrillation (PMID: 33768119).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

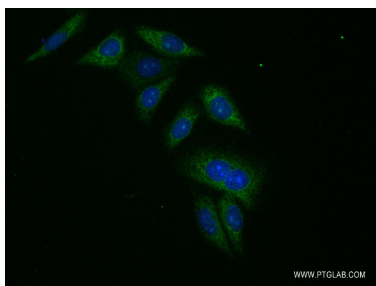
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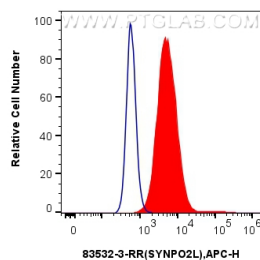
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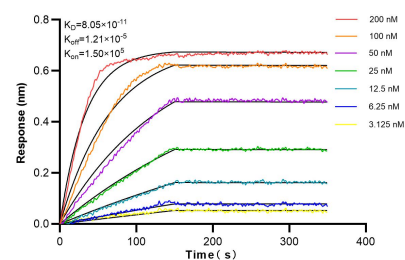
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SYNPO2L antibody (83532-3-RR, Clone: 240523F12) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ Caco-2 cells were intracellularly stained with 0.25 µg SYNPO2L Recombinant antibody (83532-3-RR, Clone:240523F12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 µg Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Biolayer interferometry (BLI) kinetic assays of 83532-3-RR against Human SYNPO2L were performed. The affinity constant is 80.5 pM.