
Product Name: KD-Validated Dihydropyrimidinase Like 2 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01397

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 62.3kDa

Antigen Information

Gene Name	DPYSL2
Alternative Names	DPYSL2; Dihydropyrimidinase Like 2; DRP-2; CRMP2; DHPRP2; DRP2; Dihydropyrimidinase-Related Protein 2; Unc-33-Like Phosphoprotein 2; CRMP-2; ULIP-2; ULIP2; N2A3; Collapsin Response Mediator Protein HCRMP-2; Collapsin Response Mediator Protein 2;Dihydropyrimidinase-Like 2
Gene ID	1808.0
SwissProt ID	Q16555
Immunogen	A synthesized peptide derived from human CRMP2

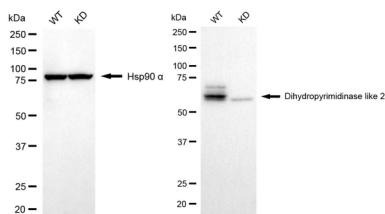
Background

This gene encodes a member of the collapsin response mediator protein family. Collapsin response mediator proteins form homo- and hetero-tetramers and facilitate neuron guidance, growth and polarity. The encoded protein promotes microtubule assembly and is required for Sema3A-mediated growth cone collapse, and also plays a role in synaptic signaling through interactions with calcium channels. This gene has been implicated in multiple neurological disorders, and hyperphosphorylation of the encoded protein may play a key role in the development of Alzheimer's disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]

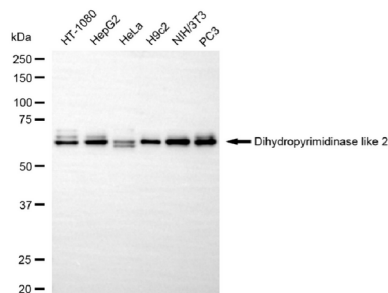
Research Area

Neuroscience

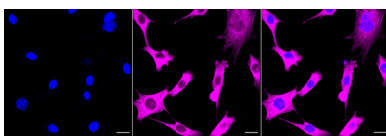
Image Data



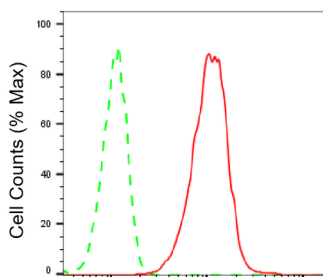
Western blotting analysis using dihydropyrimidinase like 2 antibody (KVA01397). Dihydropyrimidinase like 2 expression in wild type (WT) and dihydropyrimidinase like 2 (DPYSL2) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with dihydropyrimidinase like 2 antibody (KVA01397, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using dihydropyrimidinase like 2 antibody (KVA01397). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with dihydropyrimidinase like 2 antibody (KVA01397, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Dihydropyrimidinase like 2 antibody (KVA01397, 1:1,000). Nuclei were stained blue with DAPI; Dihydropyrimidinase like 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Dihydropyrimidinase like 2-Alexa Fluor® 647

Flow cytometric analysis of Dihydropyrimidinase like 2 expression in C2C12 cells using Dihydropyrimidinase like 2 antibody (KVA01397, 1:2,000). Green, isotype control; red, Dihydropyrimidinase like 2.