

Product Name: KD-Validated Dihydropyrimidinase Like 5 Mouse Monoclonal Antibody
Catalog #: KVA01195

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse 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 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 61.4kDa

Antigen Information

Gene Name	DPYSL5
Alternative Names	DPYSL5; Dihydropyrimidinase Like 5; CRMP-5; CRMP5; CRAM; Ulip6; CV2; Collapsin Response Mediator Protein 5; Dihydropyrimidinase-Related Protein 5; UNC33-Like Phosphoprotein 6; CRMP3-Associated Molecule; ULIP-6; DRP-5; Collapsin Response Mediator Protein-5; Dihydropyrimidinase-Like 5; RTSC4; ULIP6
Gene ID	56896.0
SwissProt ID	Q9BPU6
Immunogen	Recombinant protein of human CRMP-5

Background

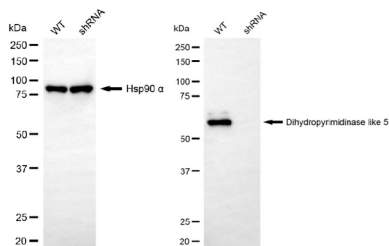
This gene encodes a member of the CRMP (collapsing response mediator protein) family thought to be involved in neural

development. Antibodies to the encoded protein were found in some patients with neurologic symptoms who had paraneoplastic syndrome. A pseudogene of this gene is found on chromosome 11. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Dec 2011]

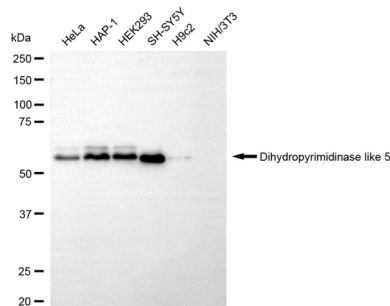
Research Area

Neuroscience

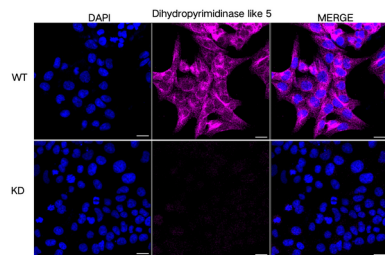
Image Data



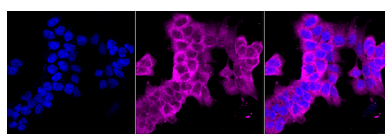
Western blotting analysis using dihydropyrimidinase like 5 antibody (KVA01195). Dihydropyrimidinase like 5 expression in wild-type (WT) and dihydropyrimidinase like 5 (DPYSL5) shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with dihydropyrimidinase like 5 antibody (KVA01195, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



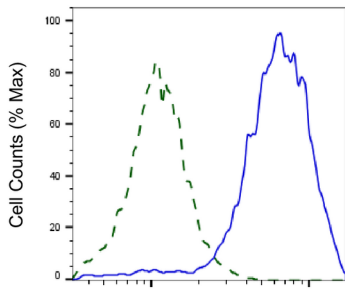
Western blotting analysis using dihydropyrimidinase like 5 antibody (KVA01195). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with dihydropyrimidinase like 5 antibody (KVA01195, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells using Dihydropyrimidinase like 5 antibody (KVA01195, 1:1,000). Top panel: wild-type (WT); Bottom panel: Dihydropyrimidinase like 5 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Dihydropyrimidinase like 5 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.

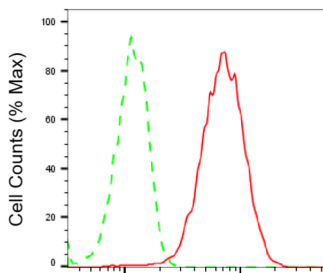


Immunocytochemical staining of HAP-1 cells with Dihydropyrimidinase like 5 antibody (KVA01195, 1:1,000). Nuclei were stained blue with DAPI; Dihydropyrimidinase like 5 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



DiHydropyrimidinase like 5-Alexa Fluor® 647

Validation of DiHydropyrimidinase like 5 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HSHC cells were stained with DiHydropyrimidinase like 5 antibody (KVA01195, 1:2,000) and analyzed using BD flow cytometer.



DiHydropyrimidinase like 5-Alexa Fluor® 647

Flow cytometric analysis of DiHydropyrimidinase like 5 expression in HAP-1 cells using DiHydropyrimidinase like 5 antibody (KVA01195, 1:2,000). Green, isotype control; red, DiHydropyrimidinase like 5.