

Rabbit anti-Human DPYSL2 Polyclonal Antibody | anti-DPYSL2 antibody

Anti-DPYSL2 Antibody, Rabbit Polyclonal

CATALOG # AAA259019	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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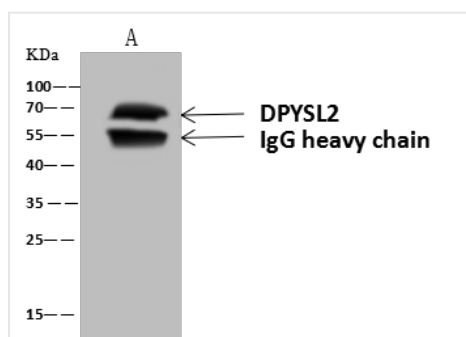
PRODUCT SYNONYMS

DPYSL2; Polyclonal Antibody; Anti-DPYSL2 Antibody; Rabbit Polyclonal; dihydropyrimidinase like 2; Anti-CRMP-2 Antibody; Anti-CRMP2 Antibody; Anti-DHPRP2 Antibody; Anti-DRP-2 Antibody; Anti-DRP2 Antibody; Anti-N2A3 Antibody; Anti-ULIP-2 Antibody; Anti-ULIP2 Antibody; anti-DPYSL2 antibody

PRODUCT SPECIFICATIONS

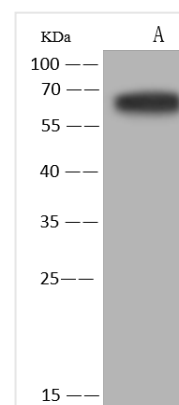
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DPYSL2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-DPYSL2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E coli-derived Human DPYSL2 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human DPYSL2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

DPYSL2 was immunoprecipitated using: Lane A: 0.5 mg U87MG Whole Cell Lysate, 4 uL anti-DPYSL2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-DPYSL2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 62 kDa. Observed band size: 62 kDa.



WB (Western Blot)

Anti-DPYSL2 rabbit polyclonal antibody at 1:500 dilution. Lane A: U87MG Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 62 kDa. Observed band size: 62 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DPYSL2 antibody	The DPYSL2 gene at 8p22-p21 is expressed widely in neuronal tissues. Collapsin response mediator protein-2 (DPYSL2 or CRMP2) is a multifunctional adaptor protein within the central nervous system. In the developing brain or cell cultures, CRMP2 performs structural and regulatory functions related to cytoskeletal dynamics, vesicle trafficking, and synaptic physiology. DPYSL2 is crucial for neuronal development. The homotetrameric CRMP2 complex is regulated via two mechanisms: first by phosphorylation and second by the reduction and oxidation of the Cys504 residues of two adjacent subunits. CRMP2 has been associated with several neuropathologic or psychiatric conditions including Alzheimer's disease (AD) and schizophrenia, either at the level of genetic polymorphisms; protein expression; post-translational modifications; or protein/protein interactions. Reduced transcription and mTOR-regulated translation of certain DPYSL2 isoforms increase the risk for schizophrenia.
References	Taylor A, et al. (2014) Association between dpysl2 gene polymorphisms and alcohol dependence in caucasian samples. J Neural Transm (Vienna) 121 (1): 105-111. Silva PN, et al. (2013) Cnp and dpysl2 mrna expression and promoter methylation levels in brain of alzheimer's disease patients. J Alzheimers Dis 33 (2): 349-355. Shi G, et al. (2020) Signatures of altered DNA methylation gene expression after central and peripheral nerve injury. J Cell Physiol 235 (6): 5171-5181. Hensley K, et al. (2011) Collapsin response mediator protein-2: An emerging pathologic feature and therapeutic target for neurodisease indications. Mol Neurobiol 43 (3): 180-191.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dpysl2-antibody-immunoprecipitation-western-blot-elisa/259019>