

# Anti-Lysine-tRNA ligase, cytoplasmic antibody

Catalog: PHY0963A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	Lysyl-tRNA synthetase 1 (ATKRS-1) structurally and functionally resembles the well-characterized prokaryotic class IIb KRS, including the propensity to aminoacylate tRNA <sup>Lys</sup> with suboptimal identity elements, as well as non-cognate tRNAs. AtKRS-1 has the functions including ATP binding, lysine-tRNA ligase activity
<b>Synonyms:</b>	KRS-1, ATKRS-1, LYSYL-TRNA SYNTHETASE 1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> KRS-1 (AT3G11710).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 µl of 0.01 M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	71 kDa
<b>Confirmed Reactivity:</b>	Coming soon
<b>Predicted Reactivity:</b>	For more species homologues information, please contact tech

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