

Recombinant LysRS Monoclonal Antibody

catalog number: **AN301592L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

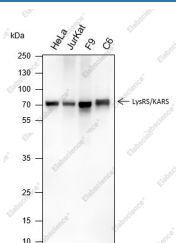
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human LysRS fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111215
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

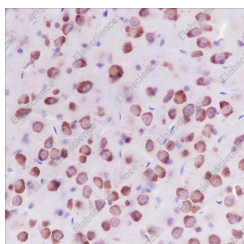
WB	1:500-1:1000
IHC	1:50-1:100
IF	1:50
IP	1:25-1:50

Data

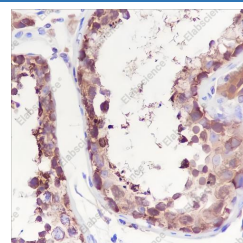
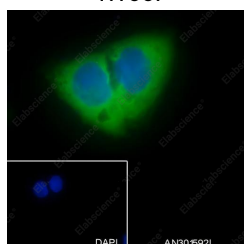


Western Blot with LysRS Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: JurKat, Lane 3: F9, Lane 4: C6

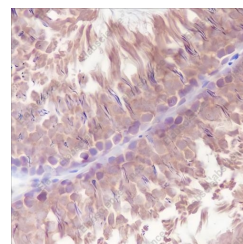
Observed-MW:75 kDa
Calculated-MW:75 kDa



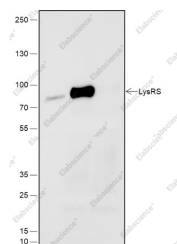
Immunohistochemistry of paraffin-embedded Mouse brain using LysRS Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human testis using LysRS Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Rat testis using LysRS Monoclonal Antibody at dilution of 1:100.



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Rev. V1.2

Immunofluorescent analysis of (4% Paraformaldehyde) fixed U-2 OS cells using anti-LysRS Monoclonal Antibody at dilution of 1:50.

Immunoprecipitation analysis using anti-LysRS Monoclonal Antibody. Western blot was performed from the immunoprecipitate using LysRS Monoclonal Antibody at a dilution of 1:50. Lane 1: 10% Input, Lane 2: LysRS Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:75 kDa

Calculated-MW:75 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA. When secreted, acts as a signaling molecule that induces immune response through the activation of monocyte/macrophages. Catalyzes the synthesis of the signaling molecule diadenosine tetraphosphate (Ap4A), and thereby mediates disruption of the complex between HINT1 and MITF and the concomitant activation of MITF transcriptional activity. Interacts with HIV-1 virus GAG protein, facilitating the selective packaging of tRNA³(Lys), the primer for reverse transcription initiation.

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