

Anti-LysRS(Lysyl-tRNA synthetase) Polyclonal Antibody

Cat. # :60B822

Description:

The lysyl tRNA synthetase (LysRS) associates with microphthalmia transcription factor (MITF) and regulates its activity by synthesis of Ap(4)A in mast cells. LysRS also associates with another transcription factor, USF2, which is ubiquitously expressed in eukaryotic cells and negatively regulated by Hint and Ap(4)A. USF2 plays a significant role in a variety of cellular functions. LysRS and Ap(4)A may be involved in general regulation of gene transcription. LysRS also is a part of a multisubunit complex that groups tRNA ligases for Arg, Asp, Glu, Gln, Ile, Leu, Lys, Met and Pro. LysRS belongs to the class-II aminoacyl-tRNA synthetase family.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of mouse LysRS (Lysyl-tRNA synthetase

Species: mouse

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)

References

- Maas,S., et al, Mamm. Genome 12 (5), 387-393 (2001)
Lee,Y.N. and Razin,E., Mol. Cell. Biol. 25 (20), 8904-8912 (2005)
Okazaki,N., et al, DNA Res. 10 (4), 167-180 (2003)