

IARS2 (Y97) polyclonal antibody

Catalog: BCP00926

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The fidelity of protein synthesis requires efficient discrimination of amino acid substrates by aminoacyl-tRNA synthetases. Accurate discrimination of the structurally similar amino acids valine and isoleucine by isoleucyl-tRNA synthetase (IleRS) results, in part, from a hydrolytic editing reaction, which prevents misactivated valine from being stably joined to tRNA^{Ile}. IleRS joins Ile to tRNA(Ile) at its synthetic active site and hydrolyzes incorrectly acylated amino acids at its editing active site. A member of the aminoacyl-tRNA synthetase family, human IleRS has been identified as a target of antibodies in the autoimmune disease polymyositis.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 114 kDa

Swiss-Prot:

Q9NSE4

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~1:2000

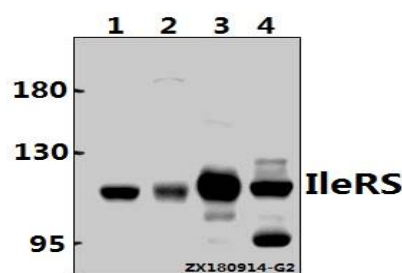
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

IleRS (Y97) polyclonal antibody detects endogenous levels of IleRS protein.

DATA:



Western blot (WB) analysis of IleRS (Y97) polyclonal antibody at 1:1000 dilution

Lane1: The Kidney tissue lysate of Mouse(40ug)

Lane2: The Testis tissue lysate of Rat(40ug)

Lane3: HEK293T whole cell lysate(40ug)

Lane4: Panc1 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.