

## IARS2 (Y97) polyclonal antibody

Catalog: BS2148

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<sup>Ile</sup>. 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

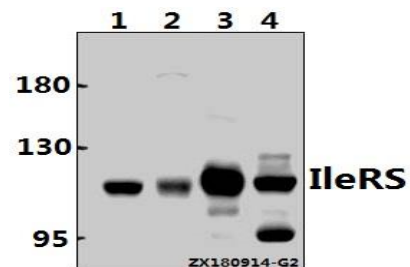
### Storage&Stability:

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.

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