

## IARS2 polyclonal antibody

Catalog: BS61574

Host: Rabbit

Reactivity: Human,Mouse,Rat

## BackGround:

The fidelity of protein synthesis requires efficient discrimination of amino acid substrates by aminoacyl-tRNA synthetases. Proteins belonging to this family function to catalyze the aminoacylation of tRNAs by their corresponding amino acids, thus linking amino acids with tRNA-contained nucleotide triplets. IARS2 (Isoleucyl-tRNA synthetase), also known as IleRS (Isoleucine-tRNA ligase), is a 1012 amino acid protein that is localized within the mitochondrial matrix. Specifically belonging to the class I mitochondrial aminoacyl-tRNA synthetase family, IARS2 contains a characteristic Rossman fold, which is found in proteins that typically bind nucleotides. The gene encoding IARS2 maps to human chromosome one, which is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 113 kDa

### Swiss-Prot:

O9NSE4

### 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: 1:500~1:1000

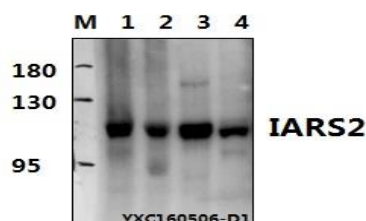
### Storage&Stability:

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

### Specificity:

IARS2 polyclonal antibody detects endogenous levels of IARS2 protein.

**DATA:**



Western blot (WB) analysis of IARS2 polyclonal antibody at 1:500  
dillution

Lane1:HCT-116 whole cell lysate(40μg)

Lane2:DLD whole cell lysate(40μg)

Lane3: HEK293T whole cell lysate(40μg)

Lane4:The Lung tissue lysate of Mouse(40μg)

**Note:**

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

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