

**Anti-IARS2 Antibody**  
**Rabbit polyclonal antibody to IARS2**  
**Catalog # AP59851****Specification**

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**Anti-IARS2 Antibody - Product Information**

Application	WB, IF
Primary Accession	<a href="#">O9NSE4</a>
Other Accession	<a href="#">Q8BIJ6</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113792

**Anti-IARS2 Antibody - Additional Information****Gene ID** 55699**Other Names**

Isoleucine--tRNA ligase mitochondrial; Isoleucyl-tRNA synthetase; IleRS

**Target/Specificity**

Recognizes endogenous levels of IARS2 protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500), IP (1/10 - 1/100)

IF~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500), IP (1/10 - 1/100)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-IARS2 Antibody - Protein Information****Name** IARS2 ([HGNC:29685](#))**Function**

Aminoacyl-tRNA synthetase that catalyzes the specific attachment of isoleucine to its cognate tRNA (tRNA(Ile)).

**Cellular Location**

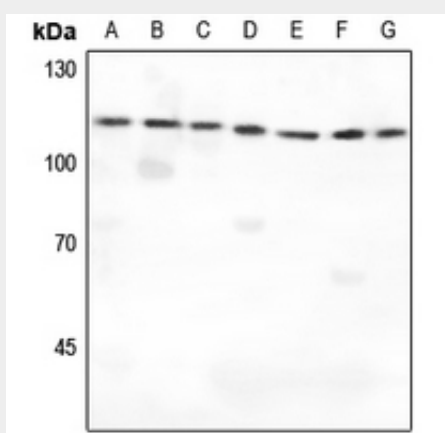
Mitochondrion matrix.

## Anti-IARS2 Antibody - Protocols

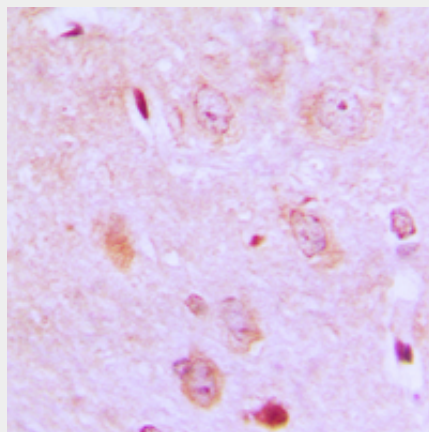
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

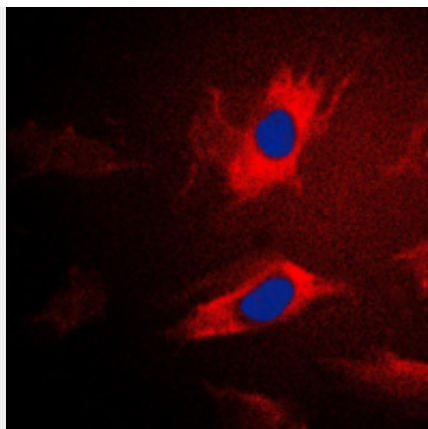
## Anti-IARS2 Antibody - Images



Western blot analysis of IARS2 expression in HEK293T (A), Hela (B), H446 (C), mouse kidney (D), mouse testis (E), rat kidney (F), rat testis (G) whole cell lysates.



Immunohistochemical analysis of IARS2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of IARS2 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

#### **Anti-IARS2 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human IARS2. The exact sequence is proprietary.