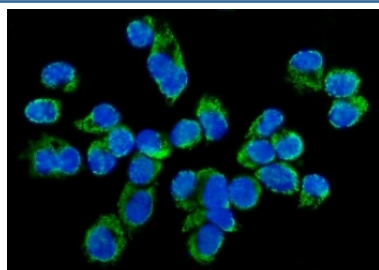


## TARS2 Antibody / TARSL1 (RQ6686)

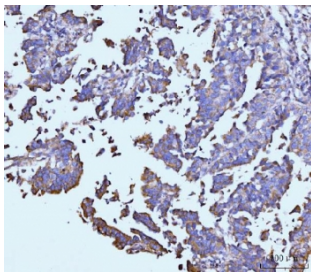
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ6686      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

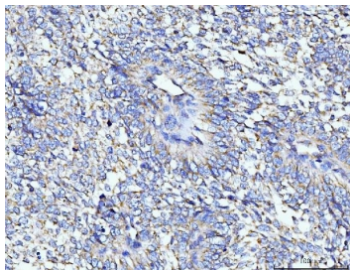
|                           |                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                                                                              |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                                                                                                                              |
| <b>Format</b>             | Antigen affinity purified                                                                                                                                                      |
| <b>Host</b>               | Rabbit                                                                                                                                                                         |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                                                                                     |
| <b>Isotype</b>            | Rabbit IgG                                                                                                                                                                     |
| <b>Purity</b>             | Antigen affinity purified                                                                                                                                                      |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                                                                                                                                      |
| <b>UniProt</b>            | Q9BW92                                                                                                                                                                         |
| <b>Localization</b>       | Cytoplasmic                                                                                                                                                                    |
| <b>Applications</b>       | Western Blot : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml<br>Immunofluorescence (FFPE) : 5ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This TARS2 antibody is available for research use only.                                                                                                                        |



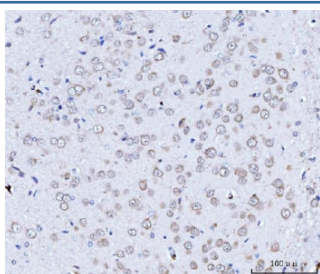
Immunofluorescent staining of FFPE human T-47D cells with TARS2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



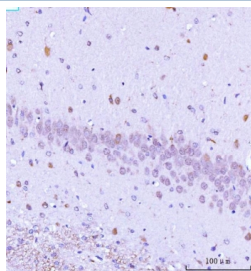
IHC staining of FFPE human colonic adenocarcinoma tissue with TARS2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



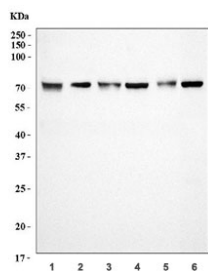
IHC staining of FFPE human lung cancer tissue with TARS2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



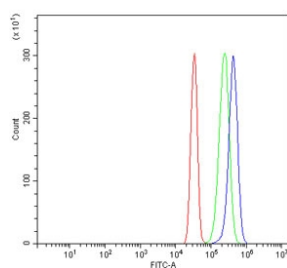
IHC staining of FFPE rat brain tissue with TARS2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with TARS2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HepG2, 2) human HeLa, 3) human ThP-1, 4) human Raji, 5) rat liver and 6) mouse liver tissue lysate with TARS2 antibody. Predicted molecular weight ~81 kDa (isoform 1) and ~66 kDa (isoform 2).



Flow cytometry testing of human SiHa cells with TARS2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TARS2 antibody.

## Description

This gene encodes a member of the class-II aminoacyl-tRNA synthetase family. The encoded protein is a mitochondrial aminoacyl-tRNA synthetase. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 4.

## Application Notes

Optimal dilution of the TARS2 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids Q69-F718) was used as the immunogen for the TARS2 antibody.

## Storage

After reconstitution, the TARS2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.