

Datasheet for ABIN2782596  
**anti-TARS antibody (N-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	TARS
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Zebrafish (Danio rerio), Guinea Pig, Horse, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TARS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TARS
Sequence:	PEIYTRLEM YNILKAEHDS ILAEKAEKDS KPIKVTLPDG KQVDAESWKT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 91%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against TARS. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	TARS
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## Target Details

Alternative Name:	TARS ( <a href="#">TARS Products</a> )
Background:	<p>Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Threonyl-tRNA synthetase belongs to the class-II aminoacyl-tRNA synthetase family.</p> <p>Alias Symbols: MGC9344, ThrRS</p> <p>Protein Interaction Partner: TARSL2, C7orf25, HUWE1, ISG15, UBC, SUMO2, SUMO3, DCP2, SUMO1, NEDD8, RNF2, FAM114A1, FAM129B, CORO1B, CORO1C, PUF60, PAPOLA, NUDC, VPS26A, ZYX, UGP2, SET, DVL2, APEH, UBD, VCAM1, ITGA4, FN1, gag, BRCA1, RPLP0P6, CCT5, AURKA, SARS, RPS27A, RPL4, PREP, EEF</p> <p>Protein Size: 682</p>
Molecular Weight:	78 kDa
Gene ID:	6897
NCBI Accession:	<a href="#">NM_001258437</a>
UniProt:	<a href="#">Q5M7Z9</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 682 AA
Restrictions:	For Research Use only

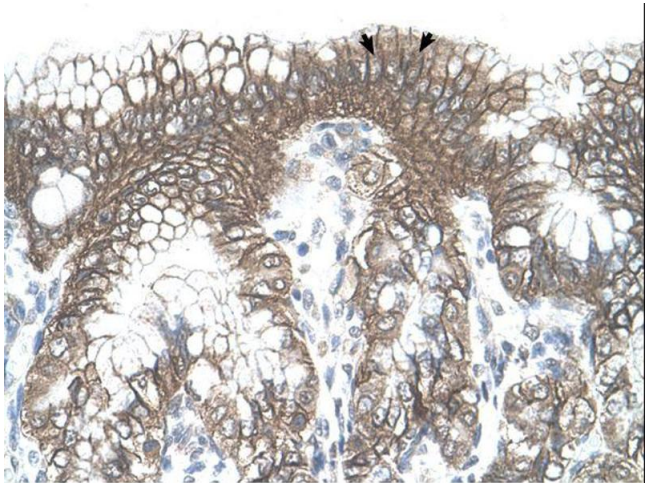
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

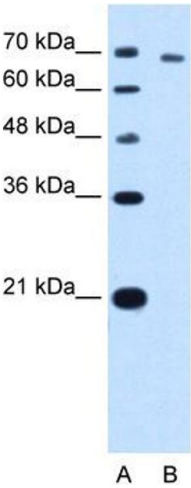
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



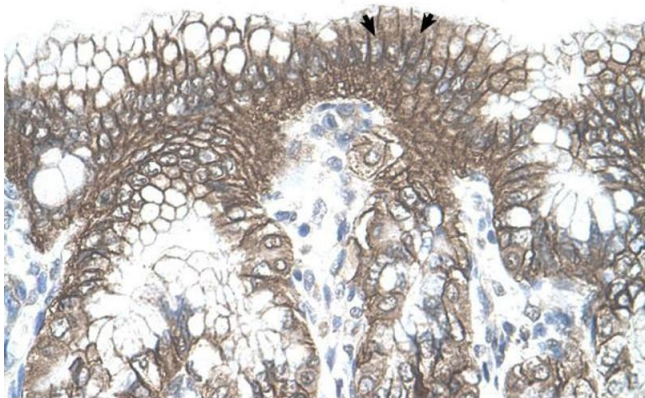
**Immunohistochemistry**

**Image 1.**



**Western Blotting**

**Image 2.** WB Suggested Anti-TARS Antibody Titration: 5.0ug/ml Positive Control: HepG2 cell lysate



**Immunohistochemistry**

**Image 3.** Human Stomach