Product Datasheet

TARS Antibody (1A9) - Azide and BSA Free H00006897-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00006897-M01

TARS Antibody (1A9) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A9
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	6897
Gene Symbol	TARS1
Species	Human
Specificity/Sensitivity	TARS - threonyl-tRNA synthetase
Immunogen	TARS (NP_689508, 44 a.a. ~ 143 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. RAELNPWPEYIYTRLEMYNILKAEHDSILAEKAEKDSKPIKVTLPDGKQVDAES WKTTPYQIACGISQGLADNTVIAKVNNVVWDLDRPLEEDCTLELLK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA and IHC-P

Images

Immunohistochemistry-Paraffin: TARS Antibody (1A9) [H00006897-M01] - TARS expression increases with stage of ovarian cancer. Tissues were stained for TARS by immunohistochemistry and counter-stained with Mayers' hematoxylin. Images were scored blindly by 2 independent investigators and tumor identification was later confirmed by a pathologist (SLM). Shown are 10x images from (1) normal ovary and examples of TARS score increasing with extent of disease (2-4), Bar=100 um. Image collected and cropped by CiteAb from the following publication (bmccancer.biomedcentral.com/articles/10.1186/1471-2407-14-620), licensed under a CC-BY license.





Immunohistochemistry-Paraffin: TARS Antibody (1A9) [H00006897-M01] - TARS expression co-localized with VEGF and in leukocytes. Tissues were stained by IHC. Shown are 40x images of serial sections stained with TARS. Image collected and cropped by CiteAb from the following publication (bmccancer.biomedcentral.com/articles/10.1186/1471-2407-14-620), licensed under a CC-BY license.



250-

150-

100 -

50 -

37 -

25-



Immunohistochemistry-Paraffin: TARS Antibody (1A9) [H00006897-M01] - Analysis of monoclonal antibody to TARS on formalin-fixed paraffinembedded human liver. Antibody concentration 3 ug/ml.

Immunohistochemistry: TARS Antibody (1A9) [H00006897-M01] - TARS expression co-localized with VEGF & in leukocytes. Tissues were stained by IHC as in Figure 2. Shown are 40x images of serial sections stained with (A,B) No primary Ab as a negative control (C,D) TARS or (E,F) VEGF. Bottom panels show examples of TARS staining in infiltrating leukocytes. Bar = 50 μ m. See Additional File 3 for supporting images. Image collected & cropped by CiteAb from the following publication (https://bmccancer.biomedcentral.com/articles/10.1186/1471-2407-14-620), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



TARS



Immunohistochemistry: TARS Antibody (1A9) [H00006897-M01] - TARS expression increases with stage of ovarian cancer. A. Tissues were stained for TARS by immunohistochemistry & counter-stained with Mayers' hematoxylin. Images were scored blindly by 2 independent investigators & tumor identification was later confirmed by a pathologist (SLM). Shown are 10x images from (1) normal ovary & examples of TARS score increasing with extent of disease (2–4), Bar = 100 µm. B. Graph representing average scores where high stage is ≥ stage 3; statistical significance determined by one-way ANOVA. For more detailed statistics, see Table 1 for Pearson's Correlations. C. Shown is a graph of individual patient TARS tumor scores grouped according to FIGO stage of disease (i.e. Stage 3.75 = FIGO 3C). Image collected & cropped by CiteAb from the following publication (https://bmccancer.biomedcentral.com/articles/10.1186/1471-2407-14-

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Publications

Wellman TL, Eckenstein M, Wong C et al. Threonyl-tRNA synthetase overexpression correlates with angiogenic markers and progression of human ovarian cancer BMC Cancer 2014-08-27 [PMID: 25163878]





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Products Related to H00006897-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-99100-50ug	Recombinant Human TARS His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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