

# Product Datasheet

## DARS Antibody (2F11) - Azide and BSA Free H00001615-M01

Unit Size: 0.1 mg

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

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**H00001615-M01**

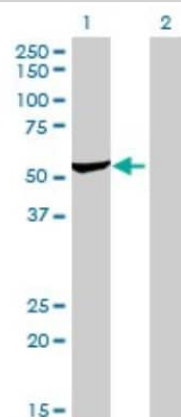
DARS Antibody (2F11) - Azide and BSA Free

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 mg   |
| <b>Concentration</b>               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>                     | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>                   | Monoclonal   |
| <b>Clone</b>                       | 2F11   |
| <b>Preservative</b>                | No Preservative  |
| <b>Isotype</b>                     | IgG2a Kappa  |
| <b>Purity</b>                      | IgG purified   |
| <b>Buffer</b>                      | In 1x PBS, pH 7.4  |
| <b>Product Description</b>         |  |
| <b>Description</b>                 | Quality control test: Antibody Reactive Against Recombinant Protein.   |
| <b>Host</b>                        | Mouse  |
| <b>Gene ID</b>                     | 1615   |
| <b>Gene Symbol</b>                 | DARS1  |
| <b>Species</b>                     | Human  |
| <b>Specificity/Sensitivity</b>     | DARS - aspartyl-tRNA synthetase  |
| <b>Immunogen</b>                   | DARS (NP_001340, 393 a.a. ~ 500 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>KYPLAVRPFYTMPDPRNPKQSNSYDMFMRGEEILSGAQRIHDPQLLTERALHH<br>GIDLEKIKAYIDSFREFGAPPHAGGGIGLERVTMLFLGLHNVRQTSMFPRDPKRL<br>T |
| <b>Notes</b>                       | This product is produced by and distributed for Abnova, a company based in Taiwan.   |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA, Knockdown Validated  |
| <b>Recommended Dilutions</b>       | Western Blot 1:500, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA, Knockdown Validated  |
| <b>Application Notes</b>           | Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P, RNAi Validation and ELISA.  |



## Images

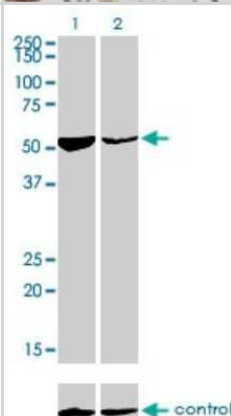
Western Blot: DARS Antibody (2F11) [H00001615-M01] - Analysis of DARS expression in transfected 293T cell line by DARS monoclonal antibody (M01), clone 2F11. Lane 1: DARS transfected lysate(57.1 kDa). Lane 2: Non-transfected lysate.



Immunohistochemistry-Paraffin: DARS Antibody (2F11) [H00001615-M01] - Analysis of monoclonal antibody to DARS on formalin-fixed paraffin-embedded human colon. Antibody concentration 3 ug/ml.



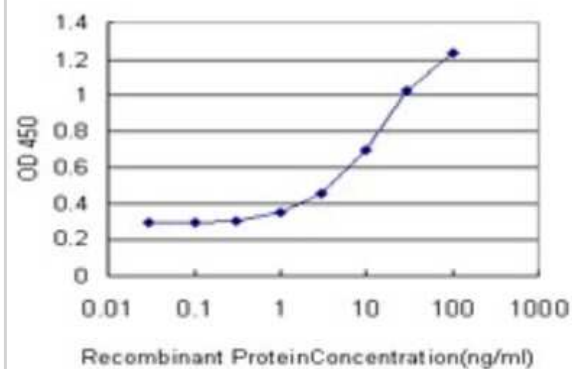
Western Blot: DARS Antibody (2F11) [H00001615-M01] - Analysis of DARS over-expressed 293 cell line, cotransfected with DARS Validated Chimera RNAi ( Cat # H00001615-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with DARS monoclonal antibody (M01), clone 2F11 (Cat # H00001615-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



Western Blot: DARS Antibody (2F11) [H00001615-M01] - DARS monoclonal antibody (M01), clone 2F11 Analysis of DARS expression in HeLa.



Sandwich ELISA: DARS Antibody (2F11) [H00001615-M01] - Detection limit for recombinant GST tagged DARS is approximately 0.3ng/ml as a capture antibody.



## Publications

Smith L, Qutob O, Watson MB et al. Proteomic identification of putative biomarkers of radiotherapy resistance: a possible role for the 26S proteasome? Neoplasia. 2009-11-01 [PMID: 19881955]



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### **Products Related to H00001615-M01**

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|                  |   |
|------------------|---|
| 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)                |
| NBP1-99067-100ug | Recombinant Human DARS His Protein                      |

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### **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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