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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DARS monoclonal antibody (M01), clone 2F11

Catalog # : H00001615-M01

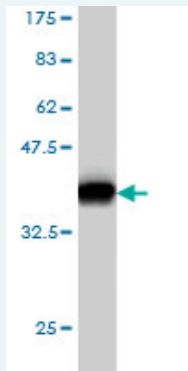
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant DARS.
Immunogen:	DARS (NP_001340, 393 a.a. ~ 500 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	KYPLAVRPFYTMPDPRNPKQSNSYDMFMRGEEILSGAQRIHDPQLLTER ALHHGIDLEKIKAYIDSF RF GAPPHAGGGIGLERVTMLFLGLHNVQRQTSMF PRDPKRLT
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.62 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

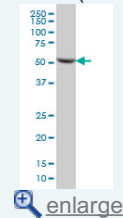
1. Proteomic identification of putative biomarkers of radiotherapy resistance: a possible role for the 26S proteasome?
Smith L, Qutob O, Watson MB, Beavis AW, Potts D, Welham KJ, Garimella V, Lind MJ, Drew PJ, Cawkwell L. Neoplasia. 2009 Nov;11(11):1194-207.

Applications

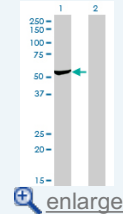
Western Blot (Cell lysate)

Application Image

Western Blot (Cell lysate)

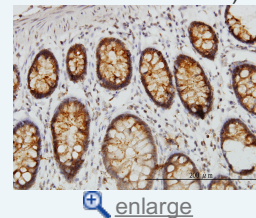


Western Blot (Transfected lysate)

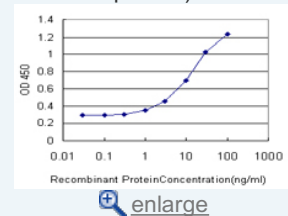


Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

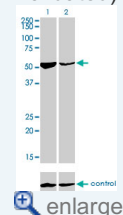


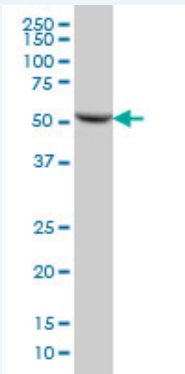
Sandwich ELISA (Recombinant protein)



ELISA

RNAi Knockdown (Antibody validated)

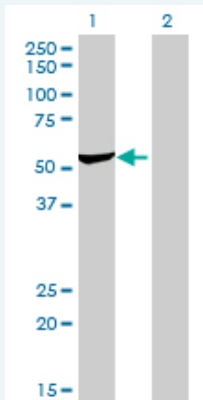




DARS monoclonal antibody (M01), clone 2F11 Western Blot analysis of DARS expression in HeLa (Cat # L013V1).

 [Protocol Download](#)

Western Blot (Transfected lysate)



Western Blot analysis of DARS expression in transfected 293T cell line by DARS monoclonal antibody (M01), clone 2F11.

Lane 1: DARS transfected lysate(57.1 KDa).

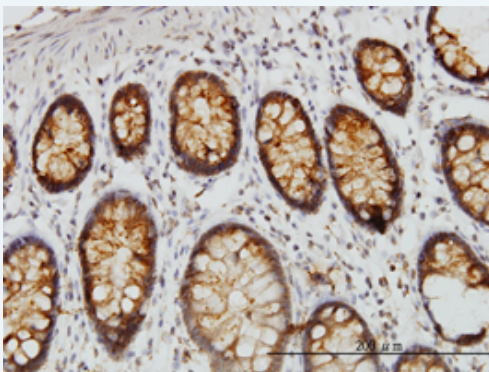
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

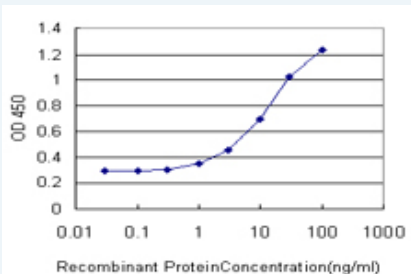


 [enlarge this image](#)

Immunoperoxidase of monoclonal antibody to DARS on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)

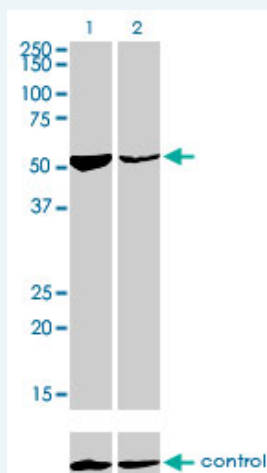


Detection limit for recombinant GST tagged DARS is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

RNAi Knockdown (Antibody validated)



Western blot 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.

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Gene Information

Entrez GeneID: [1615](#)

GeneBank [NM_001349](#)

Accession#:

Protein [NP_001340](#)

Accession#:

Gene Name: DARS

Gene Alias: DKFZp781B11202,MGC111579

Gene Description: aspartyl-tRNA synthetase

Omim ID: [603084](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Aspartyl-tRNA synthetase (DARS) is part of a multienzyme complex of aminoacyl-tRNA synthetases. Aspartyl-tRNA synthetase charges its cognate tRNA with aspartate during protein biosynthesis. [provided by RefSeq]

Other Designations: aspartate tRNA ligase 1, cytoplasmic, cell proliferation-inducing protein 40

Gene Pathway

Aminoacyl-tRNA biosynthesis

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