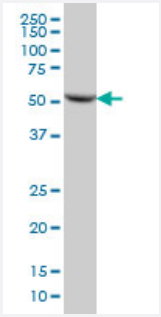
DARS monoclonal antibody (M01), clone 2F11

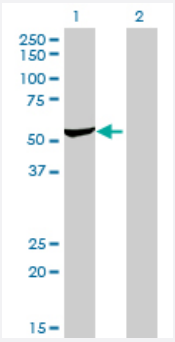
Catalog # H00001615-M01 Size 100 ug

Applications



Western Blot (Cell lysate)

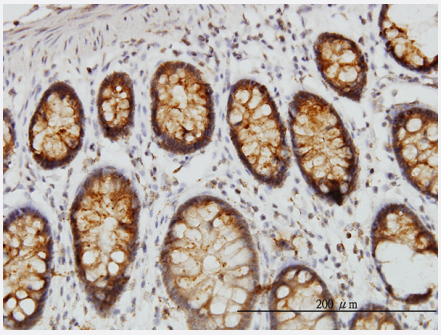
DARS monoclonal antibody (M01), clone 2F11 Western Blot analysis of DARS expression in HeLa (Cat # L013V1).



Western Blot (Transfected lysate)

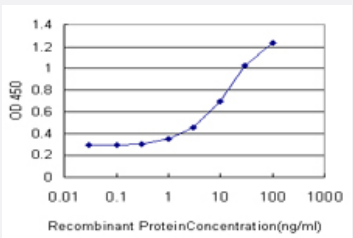
Western Blot analysis of DARS expression in transfected 293T cell line by DARS monoclonal antibody (M01), clone 2F11.

Lane 1: DARS transfected lysate(57.1 KDa).
Lane 2: Non-transfected lysate.



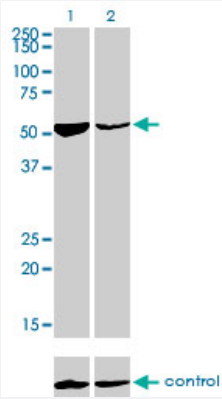
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



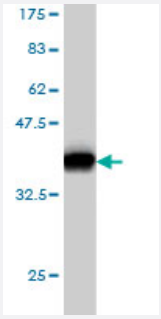
Sandwich ELISA (Recombinant protein)

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



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.



Western Blot detection against Immunogen (37.62 KDa) .

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	KYPLAVRPFYTMPDPRNPKQSNSYDMFMRGEEILSGAQRIHDPQLLTERALHHGIDLEKIKAYIDSFRFGAPPHAGGGIGLERVTMLFLGLHNVRQTSMFPRDPKRLT
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.

Applications

- Western Blot (Cell lysate)

  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)

  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.

  Protocol Download

Gene Info — DARS

Entrez GeneID	1615

GeneBank Accession#	NM_001349
Protein Accession#	NP_001340
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

Publication Reference

- 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.

  Application: WB-Ce, Human, MCF-7, MDA-MB-231, T-47D cells

Pathway

- Aminoacyl-tRNA biosynthesis