abcam

Product datasheet

Anti-DARS antibody [EPR14847(B)] ab182157

Recombinant RabMAb

1 References 3 Images

Overview

Product name	Anti-DARS antibody [EPR14847(B)]
Description	Rabbit monoclonal [EPR14847(B)] to DARS
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Jurkat, HeLa, Raji and K562 cell lysate. K562 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR14847(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab182157 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/40. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 57 kDa (predicted molecular weight: 57 kDa).

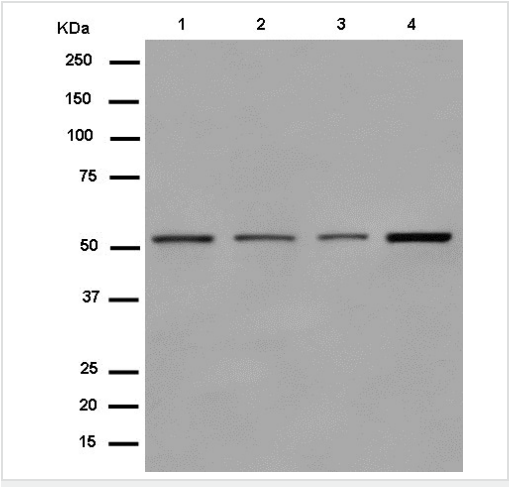
Target

Function Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA.

Sequence similarities Belongs to the class-II aminoacyl-tRNA synthetase family.

Cellular localization Cytoplasm.

Images



Western blot - Anti-DARS antibody [EPR14847(B)] (ab182157)

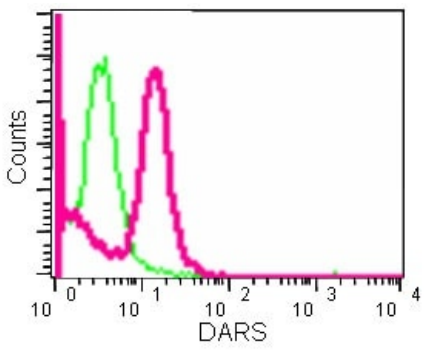
All lanes : Anti-DARS antibody [EPR14847(B)] (ab182157) at 1/5000 dilution

Lane 1 : Jurkat cell lysate
Lane 2 : HeLa cell lysate
Lane 3 : Raji cell lysate
Lane 4 : K562 cell lysate

Lysates/proteins at 20 µg per lane.

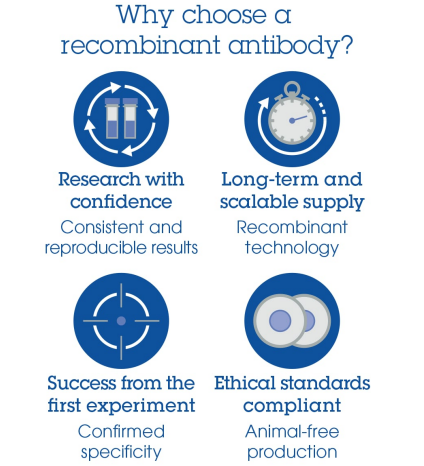
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 57 kDa
Observed band size: 57 kDa



Flow Cytometry (Intracellular) - Anti-DARS antibody [EPR14847(B)] (ab182157)

Intracellular Flow Cytometry analysis of DARS expression in K562 cells using ab182157 at 1/40 dilution (red) and a rabbit IgG as negative control (green).



Anti-DARS antibody [EPR14847(B)] (ab182157)

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