

Datasheet for ABIN7599545
anti-CDSE1 antibody (AA 1-775)



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Overview

Quantity:	100 µg
Target:	CDSE1
Binding Specificity:	AA 1-775
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDSE1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CSDE1/NRU Antibody Picoband®
Immunogen:	E.coli-derived human CSDE1/NRU recombinant protein (Position: M1-Q775).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CSDE1/NRU Antibody Picoband® (ABIN7599545). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CDSE1
Alternative Name:	CSDE1 (CDSE1 Products)
Background:	Synonyms: Sodium- and chloride-dependent GABA transporter 1,GAT-1,Solute carrier family 6 member 1,SLC6A1,GABATR, GABT1, GAT1, Tissue Specificity: Expressed in many tissues, highest levels in skeletal muscle. Background: Cold shock domain-containing protein E1 is a protein that in humans is encoded by the CSDE1 gene. Originally described as the product of an active transcription unit located upstream of the N-RAS gene, CSDE1 (cold shock domain-containing protein E1) is a highly conserved RNA-binding protein containing five cold-shock domains. CSDE1 is mostly localized in the cytoplasm where it interacts with distinct protein complexes involved in the post-transcriptional regulation of numerous mRNAs in a dynamic and complex manner. CSDE1 plays a role in maintaining the undifferentiated state of human embryonic stem cells (hESCs), and its loss results in accelerated neural differentiation and neurogenesis, partially via post-transcriptional regulation of fatty acid binding protein 7 (FABP7) and vimentin (VIM) mRNAs. In human melanoma, increased CSDE1 protein expression has been shown to modulate the levels of pro-oncogenic factors such as vimentin or RAC1 and tumor suppressors such as PTEN, thus promoting tumor invasion and metastasis.
Molecular Weight:	89 kDa
Gene ID:	7812
UniProt:	O75534
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Chang, T.-C., Yamashita, A., Chen, C.-Y. A., Yamashita, Y., Zhu, W., Durdan, S., Kahvejian, A., Sonenberg, N., Shyu, A.-B. UNR, a new partner of poly(A)-binding protein, plays a key role in translationally coupled mRNA turnover mediated by the c-fos major coding-region determinant. Genes Dev. 18: 2010-2023, 2004. 2. Doniger, J., DiPaolo, J. A. Coordinate N-RAS mRNA up-regulation with mutational activation in tumorigenic guinea pig cells. Nucleic Acids Res. 16: 969-980, 1988. 3. Edwards, M. C., Liegeois, N., Horecka, J., DePinho, R. A., Sprague, G. F., Jr., Tyers, M., Elledge, S. J. Human CPR (cell cycle progression restoration) genes impart a Far-
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Application Details

	phenotype on yeast cells. Genetics 147: 1063-1076, 1997.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.