

Rabbit anti-Human CSDE1/NRU Polyclonal Antibody | anti-CSDE1 antibody

Anti-CSDE1/NRU Antibody Picoband

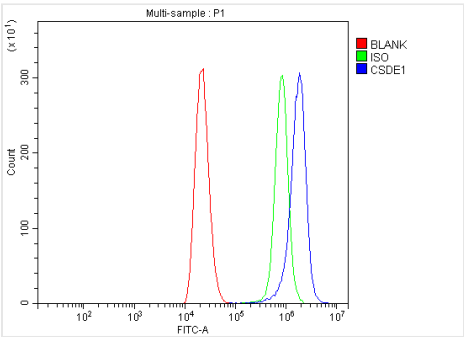
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126411	Rabbit	Human	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

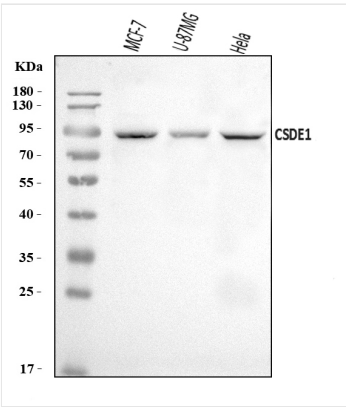
CSDE1/NRU; Polyclonal Antibody; Anti-CSDE1/NRU Antibody Picoband; anti-CSDE1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CSDE1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human CSDE1/NRU recombinant protein (Position: M1-Q775).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of THP-1 cells using anti-CSDE1/NRU antibody (AAA126411). Overlay histogram showing THP-1 cells stained with AAA126411 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CSDE1/NRU Antibody (AAA126411, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of CSDE1/NRU using anti-CSDE1/NRU antibody (AAA126411). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human U-87MG whole cell lysates, Lane 3: human HeLa whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CSDE1/NRU antigen affinity purified polyclonal antibody (#AAA126411) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CSDE1/NRU at approximately 89 kDa. The expected band size for CSDE1/NRU is at 89 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CSDE1 antibody	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.
Product Categories/Family for anti-CSDE1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	18204965
NCBI GeneID	7812
UniProt Accession #	O75534; O94961; Q5TF04; Q5TF05; Q68DF1; Q68DI9; Q9Y2S4; A8K281; E9PGZ0; G5E9Q2
Molecular Weight	85,747 Da
NCBI Official Full Name	CSDE1 protein, partial
NCBI Official Synonym Full Names	cold shock domain containing E1
NCBI Official Symbol	CSDE1
NCBI Official Synonym Symbols	UNR; D1S155E
NCBI Protein Information	cold shock domain-containing protein E1

UniProt Protein Name	Cold shock domain-containing protein E1
UniProt Gene Name	CSDE1
UniProt Synonym Gene Names	D1S155E; KIAA0885; NRU; UNR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/csde1-nru-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/126411>