

Anti-SCLY Antibody
Catalog # ABO11304**Specification**

Anti-SCLY Antibody - Product Information

Application	WB
Primary Accession	Q96I15
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Selenocysteine lyase(SCLY) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-SCLY Antibody - Additional Information

Gene ID 51540

Other Names

Selenocysteine lyase, hSCL, 4.4.1.16, SCLY, SCL

Calculated MW

48149 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cytoplasm, cytosol .

Protein Name

Selenocysteine lyase

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human SCLY(432-445aa QDLKQAVAQLEDQA).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family.

Anti-SCLY Antibody - Protein Information

Name SCLY

Synonyms SCL

Function

Catalyzes the decomposition of L-selenocysteine to L-alanine and elemental selenium.

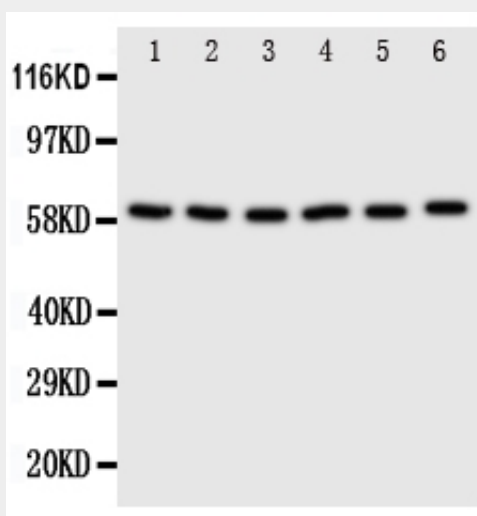
Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9JLI6}

Anti-SCLY Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SCLY Antibody - Images

Anti-SCLY antibody, ABO11304, Western blotting Lane 1: U87 Cell Lysate Lane 2: HELA Cell

LysateLane 3: 293T Cell LysateLane 4: MCF-7 Cell LysateLane 5: COLO320 Cell LysateLane 6:
HE1080 Cell Lysate

Anti-SCLY Antibody - Background

SCLY(Selenocysteine Lyase), is an enzyme that catalyzes the chemical reaction. This enzyme belongs to the family of lyases, specifically the class of carbon-sulfur lyases. The International Radiation Hybrid Mapping Consortium mapped the human SCLY gene to chromosome 2. Mihara et al.(2000) showed that mouse Scly catalyzed the conversion of L-selenocysteine to L-alanine. Scly activity required pyridoxal 5-prime phosphate, was specific to L-selenocysteine, and showed maximum reactivity at pH 9.0.