

Anti-SCLY Antibody

Catalog # ABO11304

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.

Additional Information

Gene ID	51540
Other Names	Selenocysteine lyase, hSCL, 4.4.1.16, SCLY, SCL
Calculated MW	48149
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Cytoplasm, cytosol .
Source	Eukaryota
Protein Name	Selenocysteine lyase
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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 r ° Constitution, 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.

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}

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.

Images



Anti-SCLY antibody, ABO11304, Western blotting
Lane 1: U87 Cell Lysate
Lane 2: HELA Cell Lysate
Lane 3: 293T Cell Lysate
Lane 4: MCF-7 Cell Lysate
Lane 5: COLO320 Cell Lysate
Lane 6: HE1080 Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.