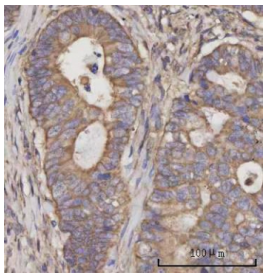
Selenocysteine lyase Antibody / SCLY (RQ8215)

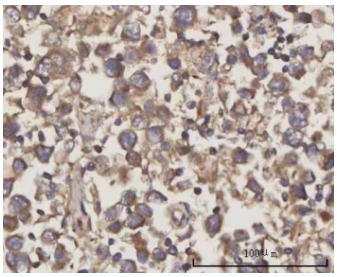
Catalog No.	Formulation	Size
RQ8215	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

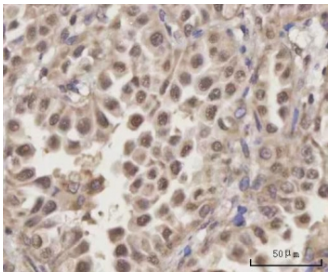
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96I15
Localization	Cytoplasm, Nucleus
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Selenocysteine lyase antibody is available for research use only.



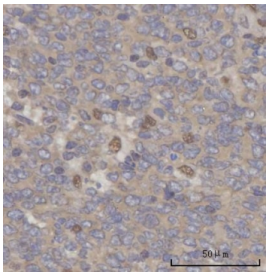
IHC staining of FFPE human rectum adenocarcinoma tissue with Selenocysteine lyase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



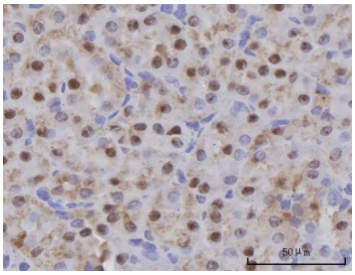
IHC staining of FFPE human testicular seminoma tissue with Selenocysteine lyase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



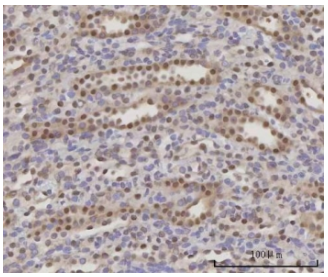
IHC staining of FFPE human lung adenocarcinoma tissue with Selenocysteine lyase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



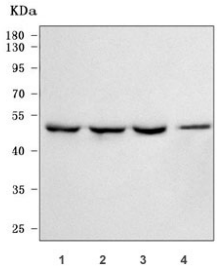
IHC staining of FFPE human tonsil tissue with Selenocysteine lyase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



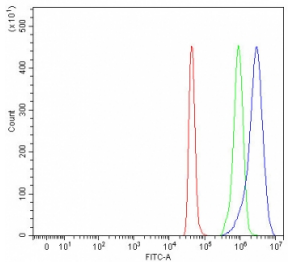
IHC staining of FFPE mouse kidney tissue with Selenocysteine lyase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat kidney tissue with Selenocysteine lyase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) 293T, 2) HepG2, 3) SH-SY5Y and 4) ThP-1 cell lysate with Selenocysteine lyase antibody. Predicted molecular weight ~48 kDa.



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with Selenocysteine lyase antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Selenocysteine lyase antibody.

Description

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.

Application Notes

Optimal dilution of the Selenocysteine lyase antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E157-A445) was used as the immunogen for the Selenocysteine lyase antibody.

Storage

After reconstitution, the Selenocysteine lyase antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com