

SLC7A11 RABBIT PAB

Cat.#: S221146

Product Name: Anti-SLC7A11 Rabbit Polyclonal Antibody

Synonyms: xCT; CCBRI

UNIPROT ID: Q9UPY5 (Gene Accession - NP_055146)

Background: This gene encodes a member of a heteromeric, sodium-independent, anionic amino acid transport system that is highly specific for cysteine and glutamate. In this system, designated Xc(-), the anionic form of cysteine is transported in exchange for glutamate. This protein has been identified as the predominant mediator of Kaposi sarcoma-associated herpesvirus fusion and entry permissiveness into cells. Also, increased expression of this gene in primary gliomas (compared to normal brain tissue) was associated with increased glutamate secretion via the XCT channels, resulting in neuronal cell death.

Immunogen: Synthetic peptide of human SLC7A11

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-100;WB: 1000-5000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

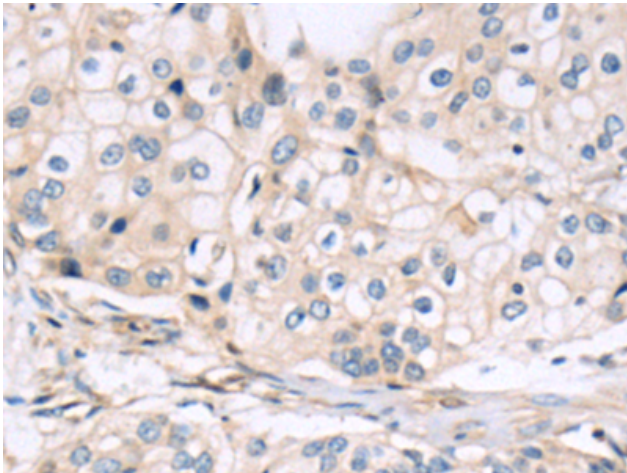
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

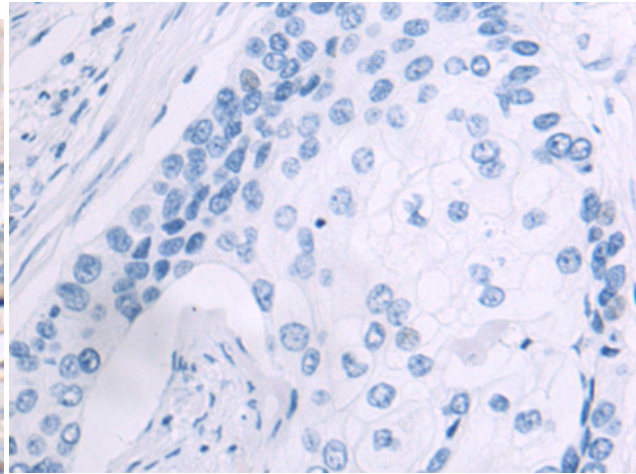
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cell Biology

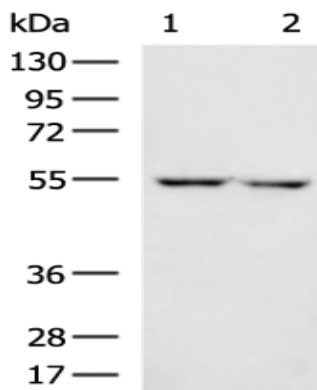
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 221146(SLC7A11 Antibody) at a dilution of 1/50(Cytoplasm and Cell membrane).



In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the synthetic peptide and then with 221146(Anti-SLC7A11 Antibody) at dilution 1/50.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane 1-2: HepG2 and 293T cell lysates;
Primary antibody: 221146(SLC7A11 Antibody) at dilution 1/1600;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 1 minute