

SLC7A11 Rabbit monoclonal antibody

Catalog: BS66263

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

xCT has a predicted molecular weight of 55 kDa; however it has a high number of hydrophobic residues which may affect the migration of the protein in SDS-PAGE. Endogenous monomeric xCT is expected to migrate at ~35 kDa and modified-xCT is expected to migrate at ~55 kDa (PMID: 17035536)

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 55 kDa

Swiss-Prot:

Q9UPY5

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB,1:500 - 1:1000|IF/ICC,1:50 - 1:200|IP,1:10 - 1:50

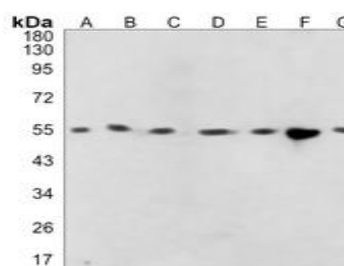
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

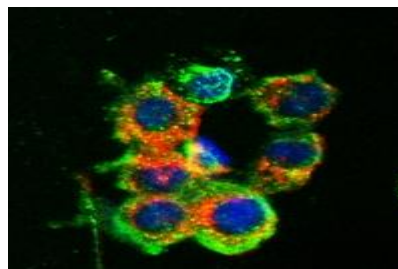
Specificity:

SLC7A11 Rabbit monoclonal antibody detects endogenous levels of SLC7A11 protein.

DATA:



Western blot analysis of SLC7A11 expression in Jurkat (A), Hela (B), K562 (C), mouse liver (D), mouse muscle (E), rat liver (F), rat muscle (G) whole cell lysates.



Immunofluorescent analysis of SLC7A11 staining in Hela cells.

Note:

For research use only, not for use in diagnostic procedure.

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