Product **Datasheet**

Anti-Xct/SLC7A11 Rabbit pAb

WLA0228

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Xct/SLC7A11 Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	WB 1:500-1:1000
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

SLC7A11 (also known as xCT) is a membrane transporter protein with high specificity for cysteine and glutamate. It promotes glutathione synthesis by consuming cysteine and simultaneously releasing glutamate. This in turn protects cells from oxidative stress, maintains cellular redox balance, and prevents cell death caused by lipid peroxidation. This protein has been identified as the primary mediator for the fusion and entry of Kaposi's sarcoma associated herpesvirus into cells. It is overexpressed in various malignant tumors and closely related to the growth, prognosis, metastasis, and treatment response of various cancers, including lung cancer.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Xct/SLC7A11.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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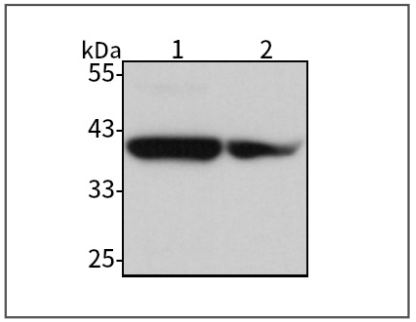
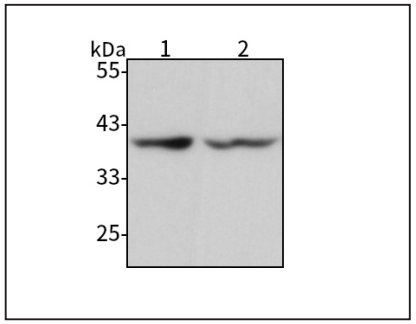
Product Images



Western blot-Anti-Xct/SLC7A11 pAb

Lane 1: Human HepG2 cell lasate
Lane 2: Human A549 cell lasate
All lanes: Anti-Xct/SLC7A11 at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane
Predicted band size: 55 kDa
Observed band size: 35-55 kDa



Western blot-Anti-Xct/SLC7A11 pAb

Lane 1: Mouse brain tissue lysate
Lane 2: Rat cerebellum tissue lysate
All lanes: Anti-Xct/SLC7A11 at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane
Predicted band size: 55 kDa
Observed band size: 35-55 kDa

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