Datasheet for ABIN5564261

anti-SLC7A8 antibody

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Overview

Quantity:	100 µg
Target:	SLC7A8
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC7A8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide corresponding to a partial sequence of mouse Slc7a8 (Q9QXW9).
Specificity:	Recognizes mouse and rat Slc7a8. Has been reported to work in human samples (Wirth,et al.; 2009), but was not tested in-house.Detects a -50kDa Slc7a8 band in wild type mouse brain, kidney, jejunum, ileum and othertissues, which is absent in knock-out animals. In some tissues the antibody detects anadditional unknown 38kDa band.
Cross-Reactivity (Details):	Other species not tested.Detects a ~50 kDa Slc7a8 band in wild type mouse brain, kidney, jejunum, ileum and other tissues, which is absent in knock-out animals. In some tissues the antibody detects an additional unknown 38 kDa band.
Purification:	Antigen affinity purified.

Target Details

Target:	SLC7A8

Target Details

Alternative Name:	Slc7a8 [Lat2] (SLC7A8 Products)
Background:	L-type amino acid transporter (LAT) family members are Na(+)-independent transporters, which deliver neutral amino acids into cells. The four LATs, LAT1 (SLC7A5), LAT2 (SLC7A8), LAT3 (SLC43A1) and LAT4 (SLC43A2) are responsible for the majority of cellular leucine uptake. They show increased expression in many cancers and are critical for control of protein translation and cell growth through the mTORC1 pathway. The increased transporter expression observed in cancers is regulated by transcriptional pathways such as hormone receptors, c-myc and nutrient starvation responses.
UniProt:	Q9QXW9

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 1 mg/mL BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months