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Datasheet for ABIN668695
anti-SLC22A17 antibody (AA 475-538) (Cy5)

Overview

Quantity:	100 µL
Target:	SLC22A17
Binding Specificity:	AA 475-538
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC22A17 antibody is conjugated to Cy5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SLC22A17
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	SLC22A17
Alternative Name:	Slc22A17 (SLC22A17 Products)

Target Details

Background:	<p>Synonyms: BOCT, BOIT, 24p3R, NGALR, hBOIT, NGALR2, NGALR3, Solute carrier family 22 member 17, 24p3 receptor, Brain-type organic cation transporter, Lipocalin-2 receptor, Neutrophil gelatinase-associated lipocalin receptor, SLC22A17</p> <p>Background: Cell surface receptor for LCN2 (24p3) that plays a key role in iron homeostasis and transport. Able to bind iron-bound LCN2 (holo-24p3), followed by internalization of holo-24p3 and release of iron, thereby increasing intracellular iron concentration and leading to inhibition of apoptosis. Also binds iron-free LCN2 (apo-24p3), followed by internalization of apo-24p3 and its association with an intracellular siderophore, leading to iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration and resulting in apoptosis (By similarity).</p>
Gene ID:	51310
UniProt:	Q8WUG5
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	<p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months