

Rabbit anti-Human CAT1 Polyclonal Antibody | anti-SLC7A1 antibody

[KD Validated] CAT1 Rabbit pAb

CATALOG # AAA283294	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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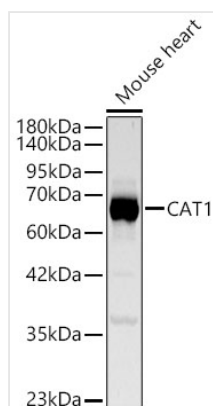
PRODUCT SYNONYMS

CAT1; Polyclonal Antibody; [KD Validated] CAT1 Rabbit pAb; ERR; ATRC1; CAT-1; HCAT1; REC1L; anti-SLC7A1 antibody

PRODUCT SPECIFICATIONS

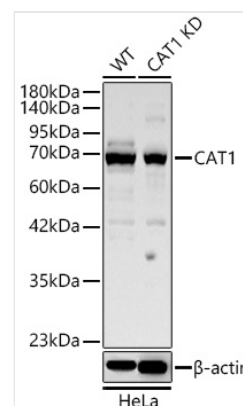
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	VLGFIMVSGF VKGSVKNWQL TEEDFGNTSG RLCLNNDTKE GKPGVGGFMP FGFSGVLSGA ATCFYAFVGF DCIATTGEEV KNPQKAIPVG IVASLLICFI A
Applicable Applications for anti-SLC7A1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human SLC7A1(NP_003036.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from Mouse heart using [KD Validated] CAT1 Rabbit pAb (AAA283294) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and CAT1 knockdown (KD) HeLa cells using [KD Validated] CAT1 Rabbit pAb (AAA283294) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 17 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A1 antibody	Enables L-arginine transmembrane transporter activity and L-histidine transmembrane transporter activity. Involved in amino acid transport. Located in membrane. Part of apical plasma membrane; basolateral plasma membrane; and protein-containing complex.
Product Categories/Family for anti-SLC7A1 antibody	Cancer; Signal Transduction; Endocrine Metabolism; Neuroscience; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1706185
NCBI GeneID	6541
UniProt Accession #	P30825; Q5JR50
Molecular Weight	Calculated MW: 68kDa Observed MW: 70kDa
UniProt Protein Name	High affinity cationic amino acid transporter 1
UniProt Gene Name	SLC7A1
UniProt Synonym Gene Names	ATRC1; ERR; REC1L; CAT-1; CAT1; ERR
UniProt Entry Name	CTR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cat1-antibody-western-blot-elisa/283294>