

## ARG59641 anti-CTNS antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CTNS
Tested Reactivity	Ms
Predict Reactivity	Hu, Rat, Cow, Dog, Hrs, Pig, Rb
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CTNS
Species	Mouse
Immunogen	Synthetic peptide around the middle region of Mouse CTNS. (within the following region: GQVTVFLHGNHSNQTCPRIIRFLVIHSRIVSIINQVIGWIYFMAWSVSFYF)
Conjugation	Un-conjugated
Alternate Names	Cystinosin; PQLC4; CTNS-LSB

### Application Instructions

**Predict Reactivity Note** Predicted Homology Based On Immunogen Sequence: Cow: 93%; Dog: 93%; Horse: 100%; Human: 100%; Mouse: 93%; Pig: 92%; Rabbit: 85%; Rat: 92%

#### Application table

Application	Dilution
WB	1 µg/ml

#### Application Note

\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

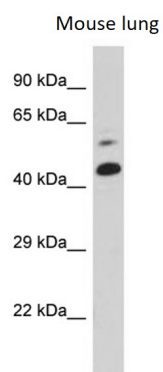
## Bioinformation

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Gene Symbol	CTNS
Gene Full Name	cystinosin, lysosomal cystine transporter
Background	This gene encodes a seven-transmembrane domain protein that functions to transport cystine out of lysosomes. Its activity is driven by the H <sup>+</sup> electrochemical gradient of the lysosomal membrane. Mutations in this gene cause cystinosis, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2009]
Function	Cystine/H(+) symporter thought to transport cystine out of lysosomes. Plays an important role in melanin synthesis, possibly by preventing melanosome acidification and subsequent degradation of tyrosinase TYR. [UniProt]
Calculated Mw	42 kDa
Cellular Localization	Isoform 1: Lysosome membrane; Multi-pass membrane protein. Melanosome. Isoform 2: Lysosome membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. [UniProt]

## Images

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ARG59641 anti-CTNS antibody WB image

Western blot: Mouse lung lysate stained with ARG59641 anti-CTNS antibody at 1 µg/ml dilution.