

CTSK Rabbit pAb

Catalog No.: A5871 **7 Publications**

Basic Information

Observed MW

39kDa

Calculated MW

37kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene is a lysosomal cysteine proteinase involved in bone remodeling and resorption. This protein, which is a member of the peptidase C1 protein family, is predominantly expressed in osteoclasts. However, the encoded protein is also expressed in a significant fraction of human breast cancers, where it could contribute to tumor invasiveness. Mutations in this gene are the cause of pycnodysostosis, an autosomal recessive disease characterized by osteosclerosis and short stature.

Recommended Dilutions

WB 1:100 - 1:500

IHC-P 1:100 - 1:200

Immunogen Information

Gene ID

1513

Swiss Prot

P43235

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 115-329 of human CTSK (NP_000387.1).

Synonyms

CTSO; PKND; PYCD; CTSO2; CTSO1; CTSO2; CTSK

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

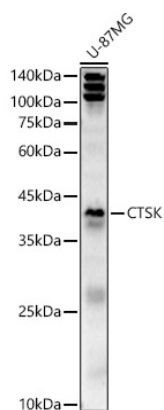
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of U-87MG cells, using CTSK antibody (A5871) at 1:400 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.