[KD Validated] MT2A Rabbit pAb

Catalog No.: A22103



Basic Information

Observed MW

15kDa

Calculated MW

6kDa

Category

Primary antibody

Applications

ELISA,WB

Cross-Reactivity

Human, Mouse

Background

This gene is a member of the metallothionein family of genes. Proteins encoded by this gene family are low in molecular weight, are cysteine-rich, lack aromatic residues, and bind divalent heavy metal ions, altering the intracellular concentration of heavy metals in the cell. These proteins act as anti-oxidants, protect against hydroxyl free radicals, are important in homeostatic control of metal in the cell, and play a role in detoxification of heavy metals. The encoded protein interacts with the protein encoded by the homeobox containing 1 gene in some cell types, controlling intracellular zinc levels, affecting apoptotic and autophagy pathways. Some polymorphisms in this gene are associated with an increased risk of cancer.

Recommended Dilutions

WB

1:500 - 1:1000

Immunogen Information

Gene ID 4502 Swiss Prot

P02795

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-61 of human MT2A (NP_005944.1).

Synonyms

MT2; MT-2; MT-II; [KD Validated] MT2A

Contact

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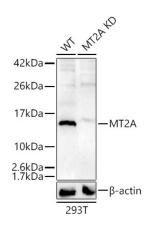
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20 $^{\circ}\text{C}.$ Avoid freeze / thaw cycles.

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



Western blot analysis of lysates from wild type(WT) and MT2A knockdown (KD) 293T cells, using [KD Validated] MT2A Rabbit pAb (A22103) at 1:1000 dilution.

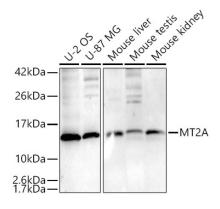
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Western blot analysis of various lysates, using [KD Validated] MT2A Rabbit pAb (A22103) at 1:1000 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.