

MT2A Polyclonal Antibody

Catalog No. E-AB-18240

Note: Centrifuge before opening to ensure complete recovery of vial contents.

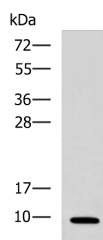
Description

Reactivity	Human, Mouse
Immunogen	Fusion protein of human MT2A
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4

Applications Recommended Dilution

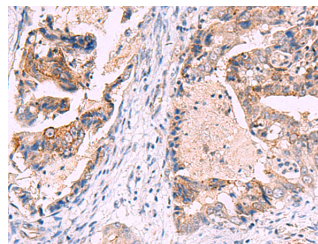
WB 1:1000-1:5000,
IHC 1:40-1:200,
ELISA
1:5000-1:10000

Data



Western blot analysis of Mouse adrenal gland tissue lysate using MT2A Polyclonal Antibody at dilution of 1:1600

Observed Mw: Refer to figures
Calculated Mw: 6 kDa



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using MT2A Polyclonal Antibody at dilution of 1:60 (x200)

Preparation & Storage

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

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.

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