

MT2 rabbit pAb

Catalog No :	YT6297
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF
Target :	MT2
Fields :	>>Mineral absorption
Gene Name :	MT2A CES1 MT2
Protein Name :	MT2
Human Gene Id :	4502
Human Swiss Prot No :	P02795
Mouse Gene Id :	17750
Mouse Swiss Prot No :	P02798
Rat Gene Id :	689415
Rat Swiss Prot No :	P04355
Immunogen :	Synthesized peptide derived from human MT2 AA range: 6-56
Specificity :	This antibody detects endogenous levels of MT2 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1[?]50-200. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 7kD

Function : domain:Class I metallothioneins contain 2 metal-binding domains: four divalent ions are chelated within cluster A of the alpha domain and are coordinated via cysteinyl thiolate bridges to 11 cysteine ligands. Cluster B, the corresponding region within the beta domain, can ligate three divalent ions to 9 cysteines.,function:Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids.,miscellaneous:This metallothionein binds zinc.,similarity:Belongs to the metallothionein superfamily. Type 1 family.,

Subcellular Location : nucleus,cytoplasm,cytosol,perinuclear region of cytoplasm,

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Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).