



# Mouse Anti-Rabbit Metallothionein monoclonal antibody, clone VD2NU (CABT-L2570)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Specificity	Detects a band of ~15kDa by Western blot.
Immunogen	Cross-linked rabbit liver Metallothionein I and II.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat Fish, Horse, Rabbit
Clone	VD2NU
Purification	Protein G purified.
Conjugate	Unconjugated
Applications	WB, ELISA, IHC
Format	Liquid
Concentration	Lot specific
Buffer	PBS, pH 7.2, containing 50% glycerol
Preservative	0.09% Sodium Azide
Storage	-20°C. Avoid Freeze/Thaw Cycles

## BACKGROUND

**Introduction**

Metallothioneins (MTs) are a class of ubiquitous, low molecular weight, cysteine-rich, metal binding proteins that function in the metabolism of zinc and copper. MT protects against exposure to toxic metals such as mercury and cadmium as well as a variety of other stress conditions. There are four mammalian MT isoforms: MT-I, -II, -III, -IV, each of which is encoded by individual genes. MT expression is induced by heavy metal cations, starvation, elevated temperature, lipopolysaccharide, inflammatory cytokines, free radicals, and ionizing radiation.

**Keywords**

MT1A;Metallothionein MGC32848;MT1S;MTC;metallothionein 1A (functional)

## GENE INFORMATION

**UniProt ID**

[Q2PS21](#)