

Datasheet for ABIN5066831  
**anti-Metallothionein antibody (APC)**



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1 Image

## Overview

Quantity:	100 µg
Target:	Metallothionein (MT)
Reactivity:	Pseudomonas aeruginosa
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Metallothionein antibody is conjugated to APC
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Synthetic peptide from the mid-protein of Pseudomonas aeruginosa Metallothionein
Isotype:	IgG
Specificity:	Detects ~36 kDa.
Cross-Reactivity:	Pseudomonas aeruginosa
Purification:	Peptide Affinity Purified

## Target Details

Target:	Metallothionein (MT)
Alternative Name:	Metallothionein ( <a href="#">MT Products</a> )
UniProt:	<a href="#">Q9I1X5</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Regulation of Carbohydrate</a>

## Target Details

Metabolic Process, Protein targeting to Nucleus

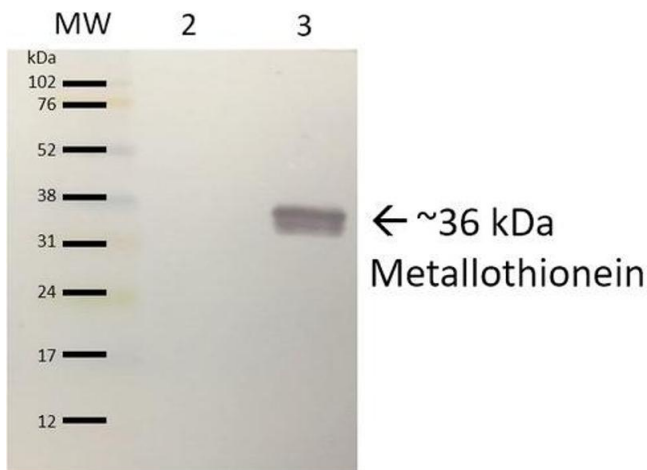
## Application Details

Application Notes:	<ul style="list-style-type: none"><li>• WB (1:1000)</li><li>• optimal dilutions for assays should be determined by the user.</li></ul>
Comment:	A 1:1000 dilution of ABIN5066831 was sufficient for detection of Metallothionein in 15 µg of pseudomonas aeruginosa purified Metallothionein (pmtA-GST) protein by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C

## Images



### Western Blotting

**Image 1.** Western blot analysis of *Pseudomonas aeruginosa* Purified protein showing detection of ~36 kDa (9.07 kDa Metallothionein and 26.4 kDa GST) Metallothionein protein using Rabbit Anti-Metallothionein Polyclonal Antibody (ABIN5066831). Lane 1: Molecular Weight Ladder (MW). Lane 2: Blank. Lane 3: *Pseudomonas aeruginosa* purified protein with GST tag.. Load: 25 µg. Block: 1 % milk, 2 % BSA. Primary Antibody: Rabbit Anti-

Metallothionein Polyclonal Antibody (ABIN5066831) at 1:1000 for 16 hours at 4 °C. Secondary Antibody: Mouse Anti-Rabbit IgG: AP at 1:1000 for 60 min at RT. Color Development: Alkaline phosphate activity colorimetric assay. Predicted/Observed Size: ~36 kDa (9.07 kDa Metallothionein and 26.4 kDa GST). Courtesy of: Michael Lynes and Amy Thees, University of Connecticut.