

Datasheet for ABIN5650677

anti-Metallothionein antibody (Atto 488)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Metallothionein (MT)
Reactivity:	Pseudomonas aeruginosa
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Metallothionein antibody is conjugated to Atto 488
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant full length Pseudomonas aeruginosa Metallothionein protein
Clone:	1F5
Isotype:	IgG1
Specificity:	Detects 36 kDa band corresponding to Pseudomonas aeruginosa Metallothionein.
Cross-Reactivity:	Pseudomonas aeruginosa
Purification:	Protein G Purified

Target Details

Target:	Metallothionein (MT)
Alternative Name:	Metallothionein (MT Products)
Gene ID:	880550

Target Details

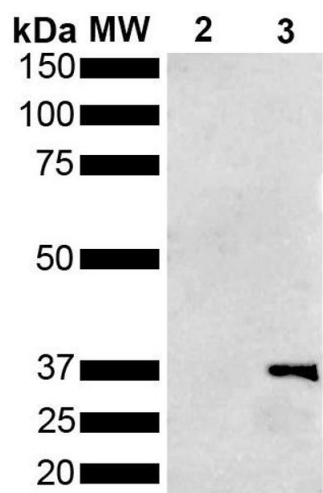
NCBI Accession:	NP_250830
UniProt:	Q911X5
Pathways:	Transition Metal Ion Homeostasis , Regulation of Cell Size , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus

Application Details

Application Notes:	• WB (1:1000) • ELISA (1:800) • optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN5650677 was sufficient for detection of Metallothionein in 1 µg of purified <i>Pseudomonas aeruginosa</i> Metallothionein (PmtA)-GST tagged protein by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 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



Western Blotting

Image 1. Western Blot analysis of *Pseudomonas aeruginosa* Metallothionein (PmtA) GST tagged showing detection of 36 kDa Metallothionein protein using Mouse Anti-Metallothionein Monoclonal Antibody, Clone 1F5 (ABIN5650677). Lane 1: Molecular Weight Ladder (MW). Lane 2: GST. Lane 3: Purified *Pseudomonas aeruginosa* Metallothionein (PmtA) GST tagged. Load: 1 µg. Block: 5 % Skim Milk powder in TBST. Primary Antibody: Mouse Anti-Metallothionein Monoclonal Antibody (ABIN5650677) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG:HRP at 1:5000 for 1 hour at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 36 kDa.