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Datasheet for ABIN566862

## anti-COMMD1 antibody (AA 1-190)

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### Overview

Quantity:	100 µg
Target:	COMMD1
Binding Specificity:	AA 1-190
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COMMD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

### Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant COMMD1.
Immunogen:	COMMD1 (AAH22046.1, 1 a.a. ~ 190 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MAAGELEGGK PLSGLLNALA QDTFHGYPGI TEELLRSQLY PEVPPEEFRP FLAKMRGILK SIASADMDFN QLEAFLTAQT KKQGGITSDQ AAVISKFWS HKTKIRESLM NQSRWNSGLR GLSWRVDGKS QSRHSAQIHT PVAIIIELELG KYGQSEFLC LEFDEVKVNQ ILKTLSEVEE SISTLISQPN
Clone:	2A12
Isotype:	IgG2a
Cross-Reactivity:	Human

## Product Details

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Characteristics: Antibody Reactive Against Recombinant Protein.

## Target Details

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Target: COMMD1

Alternative Name: COMMD1 ([COMMD1 Products](#))

Background: Full Gene Name: copper metabolism (Murr1) domain containing 1  
Synonyms: C2orf5,MGC27155,MURR1

Gene ID: 150684

Pathways: [Transition Metal Ion Homeostasis](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Buffer: In 1x PBS, pH 7.4

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

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Product cited in: OHara, Simpson, Morin, Loveridge, Williams, Novo, Stark: "p300-mediated acetylation of COMMD1 regulates its stability, and the ubiquitylation and nucleolar translocation of the RelA NF- $\kappa$ B subunit." in: **Journal of cell science**, Vol. 127, Issue Pt 17, pp. 3659-65, (2014) ([PubMed](#)).

Schilling, Bayer, Li, Molls, Vaupel, Multhoff: "Radiosensitization of normoxic and hypoxic h1339 lung tumor cells by heat shock protein 90 inhibition is independent of hypoxia inducible factor-1?" in: **PLoS ONE**, Vol. 7, Issue 2, pp. e31110, (2012) ([PubMed](#)).

Drévellon, Tanguy, Hinzpeter, Arous, de Becdelièvre, Aissat, Tarze, Goossens, Fanen: "COMMD1-mediated ubiquitination regulates CFTR trafficking." in: **PLoS ONE**, Vol. 6, Issue 3, pp. e18334, (

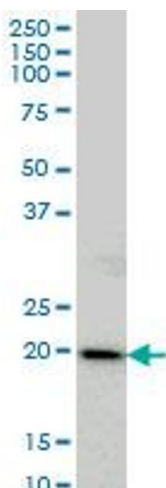
2011) ([PubMed](#)).

Vonk, Wijmenga, Berger, van de Sluis, Klomp: "Cu,Zn superoxide dismutase maturation and activity are regulated by COMMD1." in: **The Journal of biological chemistry**, Vol. 285, Issue 37, pp. 28991-9000, (2010) ([PubMed](#)).

Huang, Wu, Li: "Tumor suppressor ARF promotes non-classic proteasome-independent polyubiquitination of COMMD1." in: **The Journal of biological chemistry**, Vol. 283, Issue 17, pp. 11453-60, (2008) ([PubMed](#)).

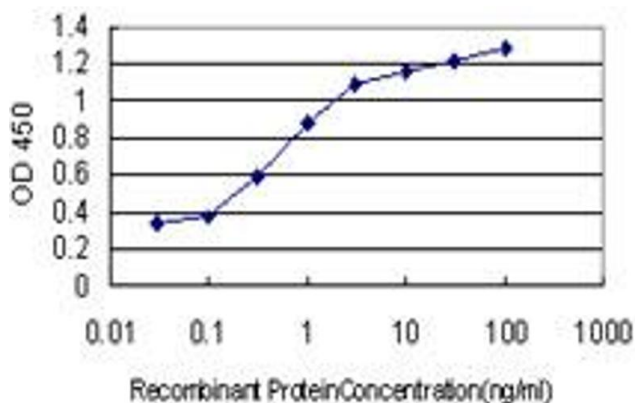
There are more publications referencing this product on: [Product page](#)

## Images



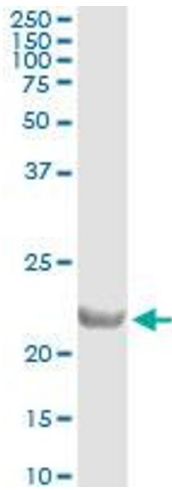
### Western Blotting

**Image 1.** COMMD1 monoclonal antibody (M01), clone 2A12 Western Blot analysis of COMMD1 expression in HeLa .



### ELISA

**Image 2.** Detection limit for recombinant GST tagged COMMD1 is approximately 0.03ng/ml as a capture antibody.



### Immunoprecipitation

**Image 3.** Immunoprecipitation of COMMD1 transfected lysate using anti-COMMD1 monoclonal antibody and Protein A Magnetic Bead , and immunoblotted with COMMD1 MaxPab rabbit polyclonal antibody.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN566862.