

Rabbit anti-Human COMMD1 Polyclonal Antibody | anti-COMMD1 antibody

COMMD1 Antibody

CATALOG # AAA231145	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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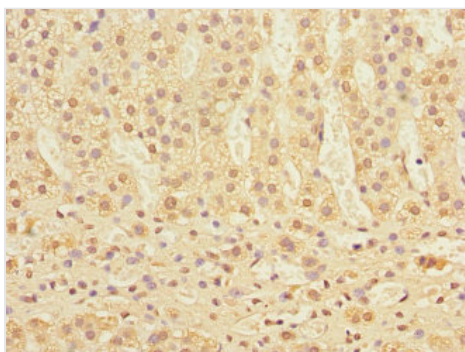
PRODUCT SYNONYMS

COMMD1; Polyclonal Antibody; COMMD1 Antibody; COMM domain-containing protein 1; Protein Murr1; C2orf5; MURR1; anti-COMMD1 antibody

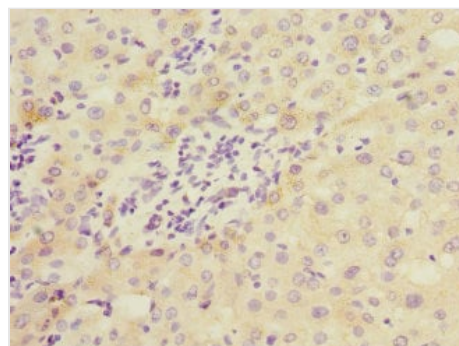
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	190
Applicable Applications for anti-COMMD1 antibody	IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human COMM domain-containing protein 1 protein (1-190AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-107497 / sc-107500 / sc-107498 / sc-98286
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human adrenal gland tissue using AAA231145 at dilution 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver cancer using AAA231145 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-COMMD1 antibody	Proposed scaffold protein that is implicated in diverse physiological processes and whose function may be in part linked to its ability to regulate ubiquitination of specific cellular proteins. Can modulate activity of cullin-RING E3 ubiquitin ligase (CRL) complexes by displacing CAND1; in vitro promotes CRL E3 activity and dissociates CAND1 from CUL1 and CUL2 (PubMed:21778237). Promotes ubiquitination of NF-kappa-B subunit RELA and its subsequent proteasomal degradation. Down-regulates NF-kappa-B activity (PubMed:15799966, PubMed:17183367, PubMed:20048074). Involved in the regulation of membrane expression and ubiquitination of SLC12A2 (PubMed:23515529). Modulates Na(+) transport in epithelial cells by regulation of apical cell surface expression of amiloride-sensitive sodium channel (ENaC) subunits and by promoting their ubiquitination presumably involving NEDD4L. Promotes the localization of SCNN1D to recycling endosomes (PubMed:14645214, PubMed:20237237, PubMed:21741370). Promotes CFTR cell surface expression through regulation of its ubiquitination (PubMed:21483833). Down-regulates SOD1 activity by interfering with its homodimerization (PubMed:20595380). Plays a role in copper ion homeostasis. Involved in copper-dependent ATP7A trafficking between the trans-Golgi network and vesicles in the cell periphery; the function is proposed to depend on its association within the CCC complex and cooperation with the WASH complex on early endosomes (PubMed:25355947). Can bind one copper ion per monomer (PubMed:17309234). May function to facilitate biliary copper excretion within hepatocytes. Binds to phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) (PubMed:18940794). Involved in the regulation of HIF1A-mediated transcription; competes with ARNT/Hif-1-beta for binding to HIF1A resulting in decreased DNA binding and impaired transcriptional activation by HIF-1 (PubMed:20458141).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22749079
NCBI GeneID	150684
NCBI Accession #	NP_689729.1
NCBI GenBank Nucleotide #	NM_152516.3
UniProt Accession #	Q8N668; Q96GS0; B4DFQ4
Molecular Weight	17,665 Da
NCBI Official Full Name	COMM domain-containing protein 1 isoform 1
NCBI Official Synonym Full Names	copper metabolism domain containing 1
NCBI Official Symbol	COMMD1
NCBI Official Synonym Symbols	MURR1; C2orf5
NCBI Protein Information	COMM domain-containing protein 1
UniProt Protein Name	COMM domain-containing protein 1
UniProt Gene Name	COMMD1
UniProt Synonym Gene Names	C2orf5; MURR1
UniProt Entry Name	COMD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/commd1-antibody-immunohistochemistry-elisa/231145>