

**COMMD7 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58839**

**Specification**

**COMMD7 Polyclonal Antibody - Product Information**

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Application                    | IHC-P, IHC-F, IF, E                                                                                                       |
| Primary Accession              | <a href="#">Q86VX2</a>                                                                                                    |
| Reactivity                     | Rat, Pig, Dog                                                                                                             |
| Host                           | Rabbit                                                                                                                    |
| Clonality                      | Polyclonal                                                                                                                |
| Calculated MW                  | 23 KDa                                                                                                                    |
| Physical State                 | Liquid                                                                                                                    |
| Immunogen                      | KLH conjugated synthetic peptide derived from Human COMMD7                                                                |
| Epitope Specificity            | 81-170/200                                                                                                                |
| <b>Purity</b>                  |                                                                                                                           |
| affinity purified by Protein A |                                                                                                                           |
| Buffer                         | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                         |
| SIMILARITY                     | Contains 1 COMM domain.                                                                                                   |
| SUBUNIT                        | Interacts (via COMM domain) with COMMD1 (via COMM domain).                                                                |
| Important Note                 | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

**Background Descriptions**

COMMD is a new family of proteins with homology to MURR1, a multifunctional protein that inhibits NFkB. These proteins form multimeric complexes and were identified in a biochemical screen for MURR1-associated factors. The family is defined by the presence of a conserved and unique motif termed the COMM (copper metabolism gene MURR1) domain, which functions as an interface for protein-protein interactions. The prototype of this family, MURR1/COMMD1, suppresses NFkB by affecting the association of NF-kappaB with chromatin. COMMD7 (COMM domain-containing protein 7) interacts with COMMD1 via its COMM domain. It also associates with the NF-kappa-B complex and suppresses its transcriptional activity.

**COMMD7 Polyclonal Antibody - Additional Information**

**Gene ID** 149951

**Other Names**

COMM domain-containing protein 7, COMMD7, C20orf92

**Target/Specificity**

Widely expressed with highest expression in lung.

**Dilution**

<span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class

=["dilution\\_IHC-F">IHC-F~N/A](#)</span><br \><span class  
=["dilution\\_IF">IF~1:50~200](#)</span><br \><span class =["dilution\\_E">E~N/A](#)</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**COMMD7 Polyclonal Antibody - Protein Information**

**Name** COMMD7

**Synonyms** C20orf92

**Function**

Scaffold protein in the commander complex that is essential for endosomal recycling of transmembrane cargos; the commander complex is composed of the CCC subcomplex and the retriever subcomplex (PubMed:[37172566](http://www.uniprot.org/citations/37172566), PubMed:[38459129](http://www.uniprot.org/citations/38459129)). May modulate activity of cullin- RING E3 ubiquitin ligase (CRL) complexes (PubMed:[21778237](http://www.uniprot.org/citations/21778237)). Associates with the NF-kappa-B complex and suppresses its transcriptional activity (PubMed:[15799966](http://www.uniprot.org/citations/15799966)).

**Cellular Location**

Cytoplasmic vesicle

**Tissue Location**

Widely expressed with highest expression in lung.

**COMMD7 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**COMMD7 Polyclonal Antibody - Images**