

## Rabbit anti-Human COMMD9 Polyclonal Antibody | anti-COMMD9 antibody

Anti-COMMD9 Antibody, Rabbit Polyclonal

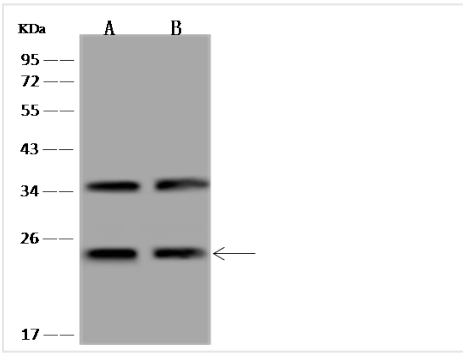
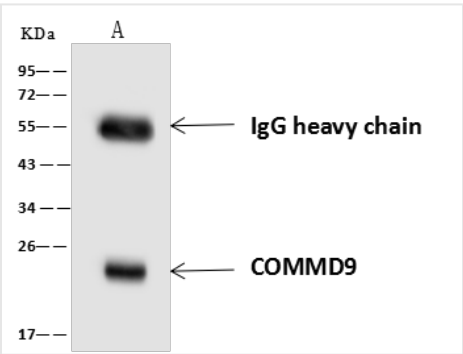
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                      |
|-----------|--------|------------|-----------------------------------|
| AAA256163 | Rabbit | Human      | Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

COMMD9; Polyclonal Antibody; Anti-COMMD9 Antibody; Rabbit Polyclonal; COMMD9 Antibody; Rabbit PAb; Antigen Affinity Purified; COMM domain containing 9; Anti-HSPC166 Antibody; anti-COMMD9 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                       | Human                                                                                                                                                                                                                                              |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                      | Human COMMD9                                                                                                                                                                                                                                       |
| Purity/Purification                              | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                      | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-COMMD9 antibody | IP (Immunoprecipitation), WB (Western Blot)                                                                                                                                                                                                        |
| Immunogen                                        | E Coli-derived Human COMMD9 fragment                                                                                                                                                                                                               |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                      | Produced in rabbits immunized with E Coli-derived Human COMMD9 fragment, and purified by antigen affinity chromatography.                                                                                                                          |
| Preparation and Storage                          | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |



**IP (Immunoprecipitation)**  
COMMD9 was immunoprecipitated using: Lane A: 0.5 mg HeLa Jurkat Whole Cell Lysate 4 uL anti-COMMD9 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-COMMD9 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 21 kDa Observed band size :23 kDa

**WB (Western Blot)**  
Anti-COMMD9 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 21 kDa Observed band size: 21 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

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|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-COMMD9 antibody</b> | COMMD9 is a COMM domain-containing or COMMD protein. COMMD family is comprised of ten members which are widely conserved throughout evolution and share certain functional properties. They represent a recently discovered set of evolutionarily conserved factors characterized by the presence of a defining carboxy-terminal motif. COMMD protein functions in the control of the transcription factor NFkappaB. NFkappaB plays a critical role in a number of homeostatic processes in multicellular organisms, including the regulation of immunity and cell survival. COMMD proteins inhibit NFkappaB mediated gene expression, and recent mechanistic studies have revealed that COMMD1 controls the ubiquitination of NFkappaB subunits, an event linked to transcriptional termination. COMMD1 binds to a multimeric ubiquitin ligase containing Elongins B/C, Cul2 and SOCS1 (ECS(SOCS1)). In this complex, COMMD1 facilitates the binding of NFkappaB subunits to the ligase, thereby promoting their ubiquitination and degradation. Additional insights gained from these studies indicate that COMMD proteins likely play a broader role in cellular homeostasis through their participation in the ubiquitination pathway. |
| <b>References</b>                                           | Ota T. et al., 2004, Nat Genet. 36 (1): 40-5. Gerhard DS. et al., 2004, Genome Res. 14 (10B): 2121-7. Burstein E. et al., 2005, J Biol Chem. 280 (23): 22222-32.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**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.