

Datasheet for ABIN7600220  
**anti-LM07 antibody (AA 165-1560)**



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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µg  |
| Target:              | LM07  |
| Binding Specificity: | AA 165-1560   |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This LM07 antibody is un-conjugated                 |
| Application:         | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

## Product Details

|                             |  |
|-----------------------------|--|
| Purpose:                    | Anti-LM07 Antibody Picoband®   |
| Immunogen:                  | E.coli-derived human LM07 recombinant protein (Position: R165-R1560).  |
| Isotype:                    | IgG  |
| Cross-Reactivity (Details): | No cross reactivity with other proteins.   |
| Characteristics:            | Anti-LM07 Antibody Picoband® (ABIN7600220). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification:               | Immunogen affinity purified.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | LM07   |
| Alternative Name: | LM07 ( <a href="#">LM07 Products</a> )   |
| Background:       | <p>Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>Background: LIM domain only protein 7 is a protein that in humans is encoded by the LM07 gene. This gene encodes a protein containing a calponin homology (CH) domain, a PDZ domain, and a LIM domain, and may be involved in protein-protein interactions. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene, however, the full-length nature of some variants is not known.</p> |
| Molecular Weight: | 150 kDa  |
| Gene ID:          | 4008   |

## Application Details

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|--------------------|--|
| Application Notes: | <p>Western blot, 0.1-0.25 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Cenciarelli, C., Chiaur, D. S., Guardavaccaro, D., Parks, W., Vidal, M., Pagano, M. Identification of a family of human F-box proteins. <i>Curr. Biol.</i> 9: 1177-1179, 1999. 2. Holaska, J. M., Rais-Bahrami, S., Wilson, K. L. Lmo7 is an emerin-binding protein that regulates the transcription of emerin and many other muscle-relevant genes. <i>Hum. Molec. Genet.</i> 15: 3459-3472, 2006. 3. Jin, J., Cardozo, T., Lovering, R. C., Elledge, S. J., Pagano, M., Harper, J. W. Systematic analysis and nomenclature of mammalian F-box proteins. <i>Genes Dev.</i> 18: 2573-2580, 2004.</p> |
| Restrictions:      | For Research Use only  |

## Handling

|                  |  |
|------------------|--|
| Format:          | Lyophilized  |
| Reconstitution:  | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.  |
| Concentration:   | 500 µg/mL  |
| Buffer:          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .  |
| Storage:         | 4 °C, -20 °C   |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |