

Datasheet for ABIN7599052
anti-TTC36 antibody (AA 1-187)



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Overview

Quantity:	100 µg
Target:	TTC36
Binding Specificity:	AA 1-187
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TTC36 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF), Western Blotting (WB)

Product Details

Purpose:	Anti-TTC36 Antibody Picoband®
Immunogen:	E.coli-derived human TTC36 recombinant protein (Position: M1-D187). Human TTC36 shares 89.2% and 88.6% amino acid (aa) sequence identity with mouse and rat TTC36, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-TTC36 Antibody Picoband® (ABIN7599052). Tested in WB, ICC/IF, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse. 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target:	TTC36
Alternative Name:	TTC36 (TTC36 Products)
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: The protein encoded by this gene has three tetratricopeptide repeats and is a chaperone for heat shock protein 70. The encoded protein may function as a tumor suppressor in hepatocellular carcinoma (HCC) since it promotes apoptosis but is downregulated in HCC.</p>
Molecular Weight:	21 kDa
Gene ID:	143941

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Xu, Y., Yang, Q., Xue, B., Wang, X., Tian, R., Deng, R., ... & Zhu, H. (2022). Heat shock-binding protein 21 regulates the innate immune response to viral infection. <i>Journal of Virology</i>, 96(7), e00001-22. 2. Liu, Q., Gao, J., Chen, X., Chen, Y., Chen, J., Wang, S., ... & Li, J. (2008). HBP21: a novel member of TPR motif family, as a potential chaperone of heat shock protein 70 in proliferative vitreoretinopathy (PVR) and breast cancer. <i>Molecular biotechnology</i>, 40, 231-240.</p>
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Application Details

3. Jiang, L., Kwong, D. L. W., Li, Y., Liu, M., Yuan, Y. F., Li, Y., ... & Guan, X. Y. (2015). HBP21, a chaperone of heat shock protein 70, functions as a tumor suppressor in hepatocellular carcinoma. Carcinogenesis, 36(10), 1111-1120.

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 Na2HPO4.
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. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.