

Datasheet for ABIN7602025
anti-HSPA4L antibody (AA 55-788)



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Overview

Quantity:	100 µg
Target:	HSPA4L
Binding Specificity:	AA 55-788
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPA4L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-HSPA4L Antibody Picoband®
Immunogen:	E.coli-derived human HSPA4L recombinant protein (Position: Q55-K788). Human HSPA4L shares 93.1% amino acid (aa) sequence identity with mouse HSPA4L.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-HSPA4L Antibody Picoband® (ABIN7602025). Tested in ELISA, IF, ICC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. 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: HSPA4L

Alternative Name: HSPA4L ([HSPA4L Products](#))

Background: 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

Tissue Specificity: Expressed in all tissues.

Background: Heat shock 70 kDa protein 4L is a protein that in humans is encoded by the HSPA4L gene. The protein encoded by this gene is heat shock inducible and may act as a chaperone. The encoded protein can protect the heat-shocked cell against the harmful effects of aggregated proteins. This gene is highly expressed in leukemia cells and may be a good target for therapeutic intervention. Several transcripts encoding different isoforms have been found for this gene.

Molecular Weight: 95 kDa

Gene ID: 22824

UniProt: [O95757](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat

Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human

ELISA, 0.1-0.5 µg/mL, -

1. Held, T., Paprotta, I., Khulan, J., Hemmerlein, B., Binder, L., Wolf, S., Schubert, S., Meinhardt, A.,

Application Details

Engel, W., Adham, I. M. Hspa4l-deficient mice display increased incidence of male infertility and hydronephrosis development. *Molec. Cell. Biol.* 26: 8099-8108, 2006. 2. Liu, X., Wang, X., Liu, F. Decreased expression of heat shock protein A4L in spermatozoa is positively related to poor human sperm quality. *Molec. Reprod. Dev.* 86: 379-386, 2019. 3. Mohamed, B. A., Barakat, A. Z., Held, T., Elkenani, M., Muhlfeld, C., Manner, J., Adham, I. M. Respiratory distress and early neonatal lethality in Hspa4l/Hspa4 double-mutant mice. *Am. J. Resp. Cell Molec. Biol.* 50: 817-824, 2014.

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.