Datasheet for ABIN7600327

anti-MATK antibody (AA 18-298)

Go to Product page

Overview

Quantity:	100 µg
Target:	MATK
Binding Specificity:	AA 18-298
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MATK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-MATK Antibody Picoband®
Immunogen:	E.coli-derived human MATK recombinant protein (Position: S18-Q298). Human MATK shares 88.5% and 91.4% amino acid (aa) sequence identity with mouse and rat MATK, respectively.
Characteristics:	Anti-MATK Antibody Picoband® (ABIN7600327). Tested in WB, IHC, ICC/IF, Flow Cytometry, ELISA 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	MATK
Alternative Name:	MATK (MATK Products)
Background:	Megakaryocyte-associated tyrosine-protein kinase is an enzyme that in humans is encoded by the MATK gene. The protein encoded by this gene has amino acid sequence similarity to Csk tyrosine kinase and has the structural features of the CSK subfamily: SRC homology SH2 and SH3 domains, a catalytic domain, a unique N terminus, lack of myristylation signals, lack of a negative regulatory phosphorylation site, and lack of an autophosphorylation site. This protein is thought to play a significant role in the signal transduction of hematopoietic cells. It is able to phosphorylate and inactivate Src family kinases, and may play an inhibitory role in the control of T-cell proliferation. This protein might be involved in signaling in some cases of breast cancer. Three alternatively spliced transcript variants that encode different isoforms have been described for this gene.
Molecular Weight:	52 kDa
Gene ID:	4145
UniProt:	P42679

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Avraham, S., Jiang, S., Ota, S., Fu, Y., Deng, B., Dowler, L. L., White, R. A., Avraham, H. Structural and functional studies of the intracellular tyrosine kinase MATK gene and its translated product. J. Biol. Chem. 270: 1833-1842, 1995. 2. Bennett, B. D., Cowley, S., Jiang, S., London, R., Deng, B., Grabarek, J., Groopman, J. E., Goeddel, D. V., Avraham, H. Identification and characterization of a novel tyrosine kinase from megakaryocytes. J. Biol. Chem. 269: 1068-1074, 1994. 3. Klages, S., Adam, D., Class, K., Fargnoli, J., Bolen, J. B., Penhallow, R. C. Ctk: a protein-tyrosine kinase related to Csk that defines an enzyme family. Proc. Nat. Acad. Sci. 91: 2597-2601, 1994.
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.