

Datasheet for ABIN6143578
anti-MATK antibody (AA 352-466)



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3 Images

Overview

Quantity:	100 µL
Target:	MATK
Binding Specificity:	AA 352-466
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MATK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 352-466 of human MATK (NP_647611.1).
Sequence:	PEALKHGKFT SKSDVWSFGV LLWEVFSYGR APYPKMSLKE VSEAVEKGYR MEPPEGCPGP VHVLMSSCWE AEPARRPPFR KLAEKLAREL RSAGAPASVS GQDADGSTSP RSQEP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MATK
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Target Details

Alternative Name: [MATK \(MATK Products\)](#)

Background: 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.,MATK,CHK,CTK,HHYLTk,HYL,HYLTk,Lsk,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Kinase,Cell Biology & Developmental Biology,Cell Cycle,MATK

Molecular Weight: 51 kDa/56 kDa

Gene ID: 4145

UniProt: [P42679](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

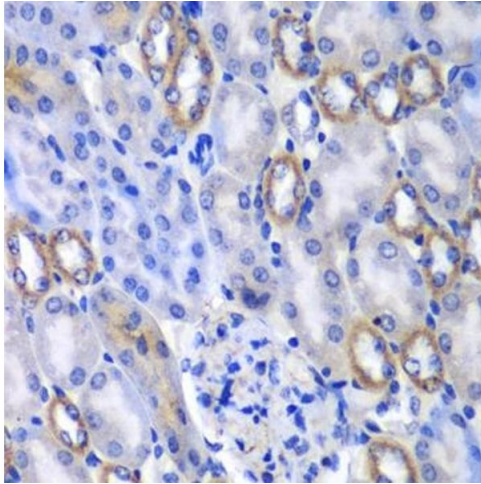
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

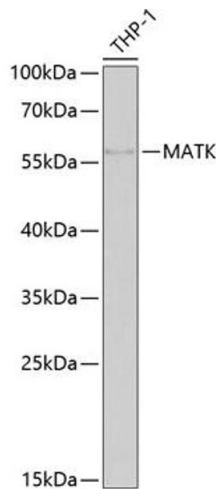
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



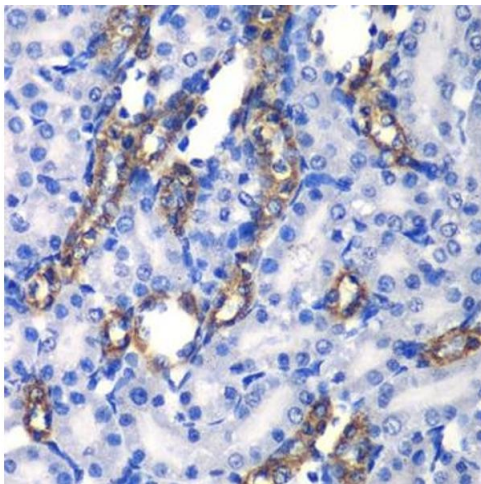
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse kidney using MATK antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of THP-1 cells, using MATK antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat kidney using MATK antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.