

TK1 recombinant antibody

TK1 Recombinant Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279056	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, ELISA

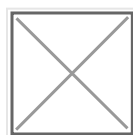
PRODUCT SYNONYMS

TK1; Monoclonal Recombinant Antibody; TK1 Recombinant Monoclonal Antibody; Thymidine kinase; cytosolic (EC 2.7.1.21); TK1 recombinant antibody

PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	6F6
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for TK1 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human TK1
Conjugation	Non-conjugated
Research Area	Epigenetics and Nuclear Signaling
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay Peak curve showing HeLa cells stained with AAA279056 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶cells) for 45min at 4°. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°. Control antibody (green line) was rabbit IgG (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



IF (Immunofluorescence)

Immunofluorescence staining of HeLa with AAA279056 at 1:40, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 491-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB (Western Blot)

Western BlotPositive WB detected in: 293T whole cell lysate, JK whole cell lysate, MCF7 whole cell lysate, A549 whole cell lysate, PC-3 whole cell lysate, K562 whole cell lysateAll lanes: Thymidine Kinase 1 antibody at 1:1000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 26 kDaObserved band size: 26 kDa

NCBI AND UNIPROT INFORMATION

NCBI GI #	164698438
NCBI GeneID	7083
NCBI Accession #	NP_003249.3
NCBI GenBank Nucleotide #	NM_003258.4
UniProt Accession #	P04183; Q969V0; Q9UMG9; B2RC58
Molecular Weight	25,469 Da
NCBI Official Full Name	thymidine kinase, cytosolic
NCBI Official Synonym Full Names	thymidine kinase 1, soluble
NCBI Official Symbol	TK1
NCBI Official Synonym Symbols	TK2
NCBI Protein Information	thymidine kinase, cytosolic; thymidine kinase-1; thymidine kinase 1 soluble isoform
UniProt Protein Name	Thymidine kinase, cytosolic
UniProt Gene Name	TK1
UniProt Entry Name	KITH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tk1-recombinant-antibody-clone-6f6-flow-cytometry-immunofluorescence-western-blot-elisa/279056>