For Research Use Only

TK1 Recombinant monoclonal antibody

Catalog Number:88812-2-RR

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
88812-2-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8249

GenBank Accession Number:
BC007986

GeneID (NCBI):
7083

UNIPROT ID:
P04183

Full Name:
thymidine kinase 1, soluble

Calculated MW:
25 kDa

Observed MW:
25-30 kDa

Purification Method:
Protein A purification

CloneNo.:
261632C8

Recommended Dilutions:
WB: 1:1000-1:4000
IHC: 1:500-1:2000

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, MCF-7 cells, Jurkat cells

IHC : human tonsillitis tissue,

Background Information

TK1(Thymidine kinase, cytosolic) belongs to the thymidine kinase family and is a regulatory enzyme that can interchange between its dimeric and tetrameric forms, which have low and high catalytic efficiencies, respectively. TK1 is involved in DNA synthesis and an important proliferation marker(PMID:21178264).

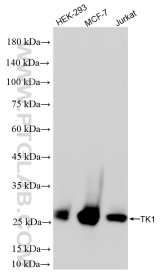
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

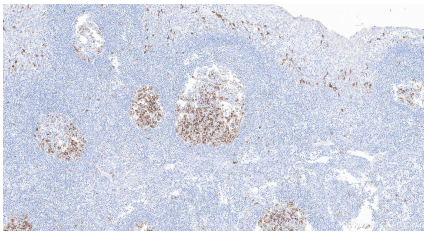
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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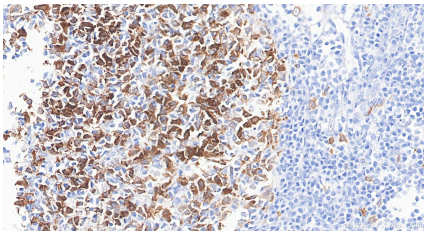
Selected Validation Data



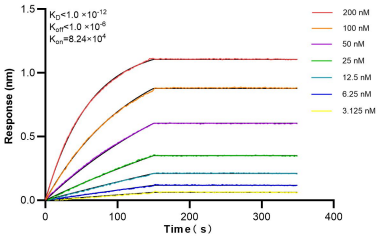
Various lysates were subjected to SDS PAGE followed by western blot with 88812-2-RR (TK1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 88812-2-RR (TK1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 88812-2-RR (TK1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 88812-2-RR against Human TK1 were performed. The affinity constant is below 1 pM.