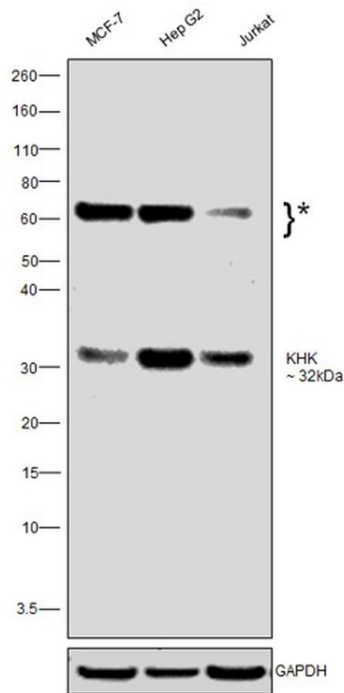


KHK Monoclonal Antibody (OTI3D1)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	OTI3D1
Conjugate	Unconjugated
Immunogen	Full length human recombinant protein of KHK produced in HEK293T cell
Form	Liquid
Concentration	0.84 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 1% BSA, 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2724562

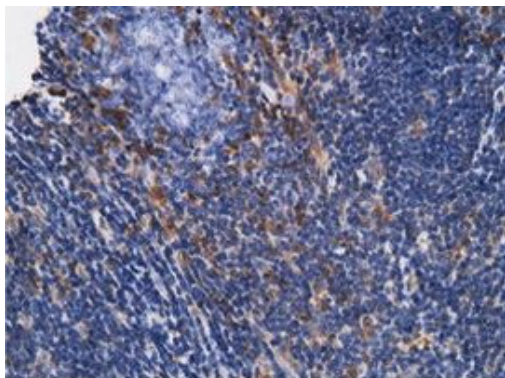
Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:150	-
Immunocytochemistry (ICC/IF)	1:100	-
Flow Cytometry (Flow)	1:100	-

Product Images For KHK Monoclonal Antibody (OTI3D1)



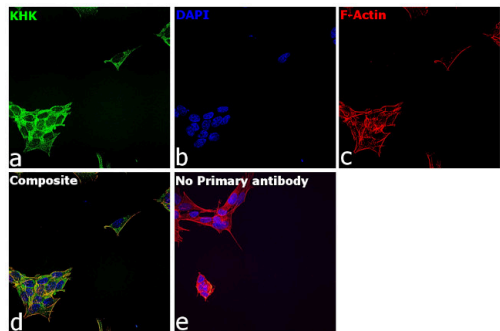
KHK Antibody (MA5-25174) in WB

Western blot was performed using Anti-KHK Monoclonal Antibody (OTI3D1) (Product # MA5-25174) and a 32 kDa band corresponding to Ketohexokinase was observed along with uncharacterized band (*) across cell lines tested. Whole cell extracts (30 µg lysate) of MCF7 (Lane 1), Hep G2 (Lane 2) and Jurkat (Lane 3) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



KHK Antibody (MA5-25174) in IHC (P)

Immunohistochemistry was performed on paraffin-embedded human lymphoma tissue. To expose target proteins, 10mM citric buffer, pH6.0, 100°C for 10min was used. Following antigen retrieval, tissues were probed with a KHK monoclonal antibody (Product # MA5-25174).



KHK Antibody (MA5-25174) in ICC/IF

Immunofluorescence analysis of KHK was performed using 70% confluent log phase SH-SY5Y cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with KHK Monoclonal Antibody (OTI3D1) (Product # MA5-25174) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), 1:2000 dilution for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with Hoechst 33342 (Product # H1399). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7C1115LZR).

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