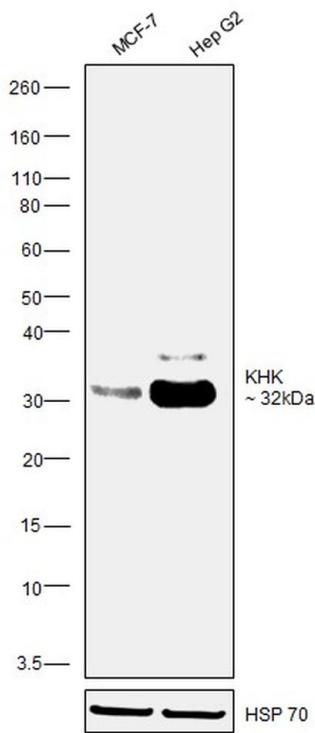


KHK Monoclonal Antibody (OTI1D8)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	OTI1D8
Conjugate	Unconjugated
Immunogen	Full length human recombinant protein of KHK produced in HEK293T cell
Form	Liquid
Concentration	1 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_2724561

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50	-
Immunocytochemistry (ICC/IF)	1:100	-
Flow Cytometry (Flow)	1:100	-

Product Images For KHK Monoclonal Antibody (OTI1D8)

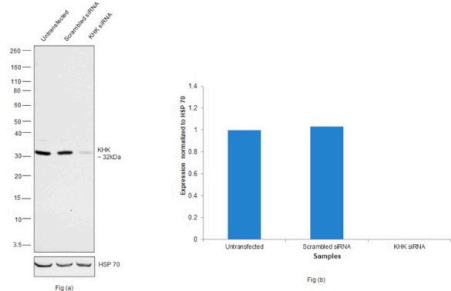


KHK Antibody (MA5-25136) in WB

Western blot was performed using Anti-KHK Monoclonal Antibody (OTI1D8) (Product # MA5-25136) and a 32kDa, along with a faint 37 kDa band, one of the reported isoforms corresponding to Ketohexokinase was observed across cell lines tested. Whole cell extracts (30 µg lysate) of MCF7 (Lane 1) and Hep G2 (Lane 2) 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).

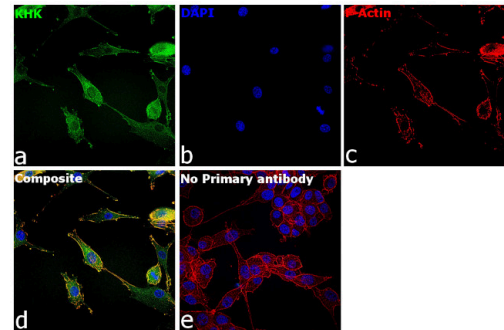
KHK Antibody (MA5-25136)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Hep G2 cells were transfected with Ketohexokinase siRNA and decrease in signal intensity was observed in Western Blot application using Anti-KHK Monoclonal Antibody (OTI1D8) (Product # MA5-25136). {KD}



KHK Antibody (MA5-25136) in ICC/IF

Immunofluorescence analysis of KHK was performed using 70% confluent log phase U-87 MG 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 (OTI1D8) (Product # MA5-25136) 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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