

CDK5 Monoclonal Antibody (4E4)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	4E4
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human CDK5 expressed in E. Coli.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.03% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2538525

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-
Flow Cytometry (Flow)	1:200-1:400	-
ELISA (ELISA)	1:10,000	-

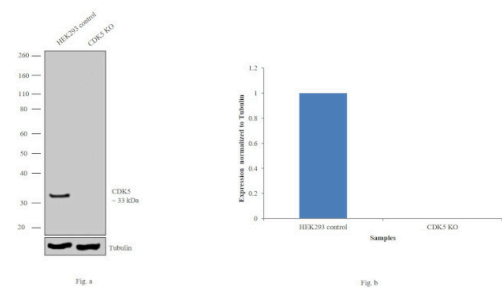
Product Specific Information

MA5-17053 targets CDK5 in indirect ELISA, FACS, ICC, IHC, IF and WB applications and shows reactivity with Human, Non-human primate, and Rat samples.

The MA5-17053 immunogen is purified recombinant fragment of human CDK5 expressed in E. Coli.

MA5-17053 detects CDK5 which has a predicted molecular weight of approximately 35kDa.

Product Images For CDK5 Monoclonal Antibody (4E4)

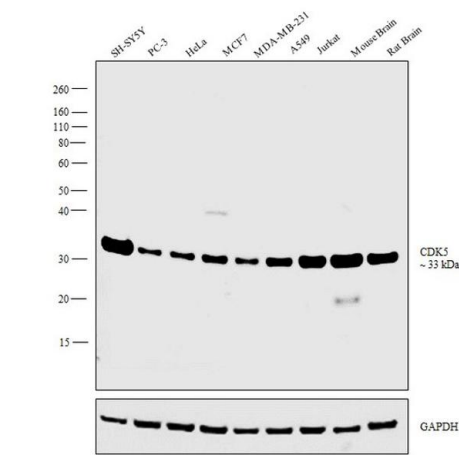


CDK5 Antibody (MA5-17053)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in CDK5 knockout (KO) cell line compared to control cell line using CDK5 Monoclonal Antibody (4E4) (Product #MA5-17053). {KO}

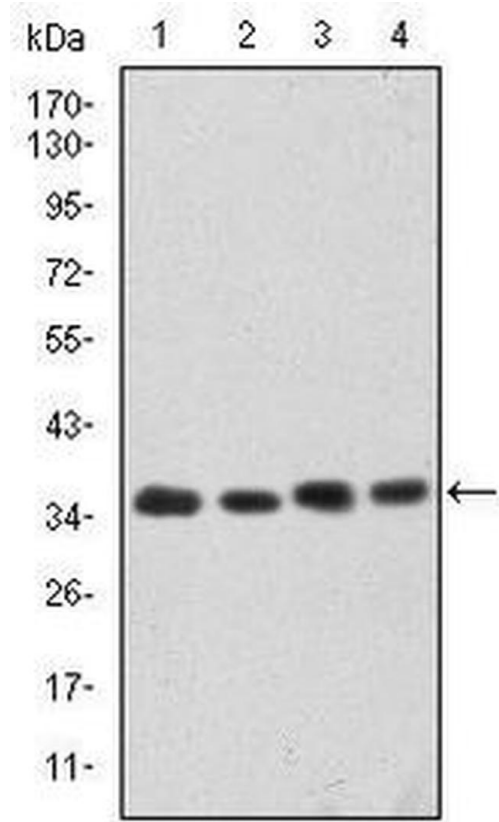
CDK5 Antibody (MA5-17053) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of SH-SY5Y (Lane 1), PC-3 (Lane 2), HeLa (Lane 3), MCF7 (Lane 4), MDA-MB-231 (Lane 5), A549 (Lane 6), Jurkat (Lane 7), tissue extracts of Mouse Brain (Lane 8) and Rat Brain (Lane 9). The blot was probed with CDK5 Monoclonal Antibody (Product # MA5-17053, 1:500 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/ml, 1:4000 dilution). A band at 33kDa corresponding to CDK5 was observed across the cell lines and tissues tested.



CDK5 Antibody (MA5-17053) in WB

Western blot analysis of CDK5 using CDK5 monoclonal antibody (Product # MA5-17053) in HeLa (1), K562 (2), PC-12 (3) and COS-7 (4) cell lysate.



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