

DNA-PK Monoclonal Antibody (18-2)

Product Details	
Size	500 µL
Species Reactivity	Human, Rat
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	18-2
Conjugate	Unconjugated
Immunogen	Human DNA-dependent Protein Kinase purified from HeLa cells
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10988612

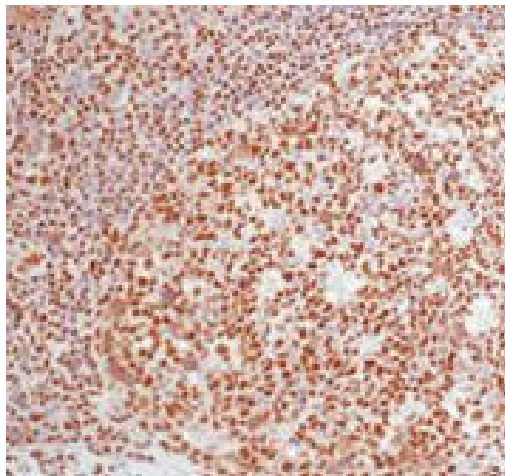
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	34 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	-
Immunocytochemistry (ICC/IF)	-	3 Publications
Immunoprecipitation (IP)	2 µg/mL	5 Publications
ChIP assay (ChIP)	-	1 Publication
Neutralization (Neu)	-	1 Publication
Gel Shift (GS)	-	1 Publication

Product Specific Information

MA5-13238 targets DNA-PKcs in IF, IHC (P), IP, and WB applications and shows reactivity with Human and Rat samples.

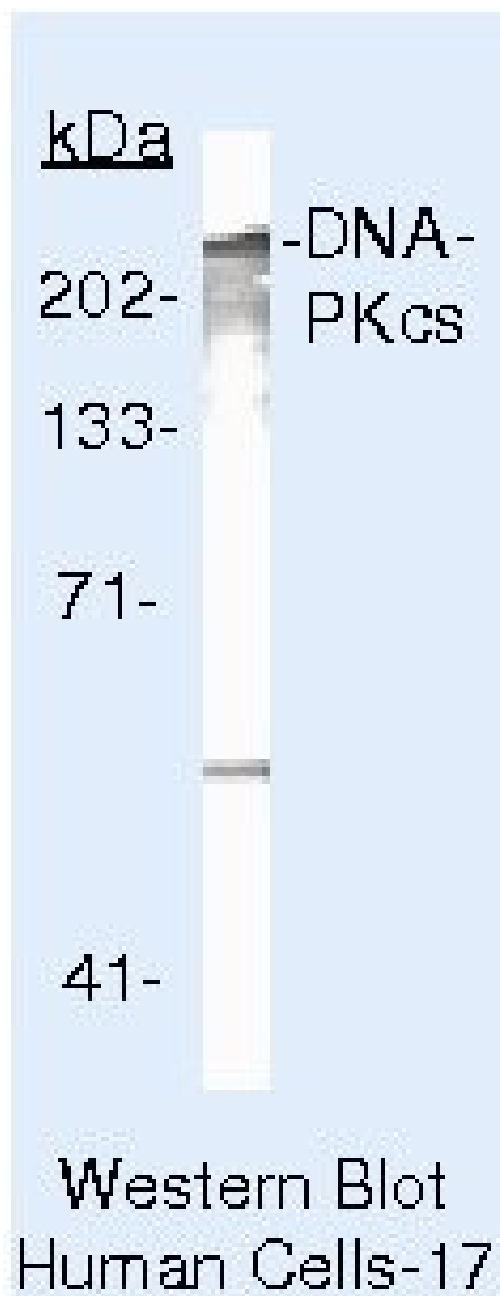
The MA5-13238 immunogen is human DNA-dependent Protein Kinase purified from HeLa cells.

Product Images For DNA-PK Monoclonal Antibody (18-2)



DNA-PK Antibody (MA5-13238) in IHC (P)

Formalin-fixed, paraffin-embedded human tonsil stained with DNA-PK antibody using peroxidase-conjugate and AEC chromogen. Note nuclear staining of lymphocytes.

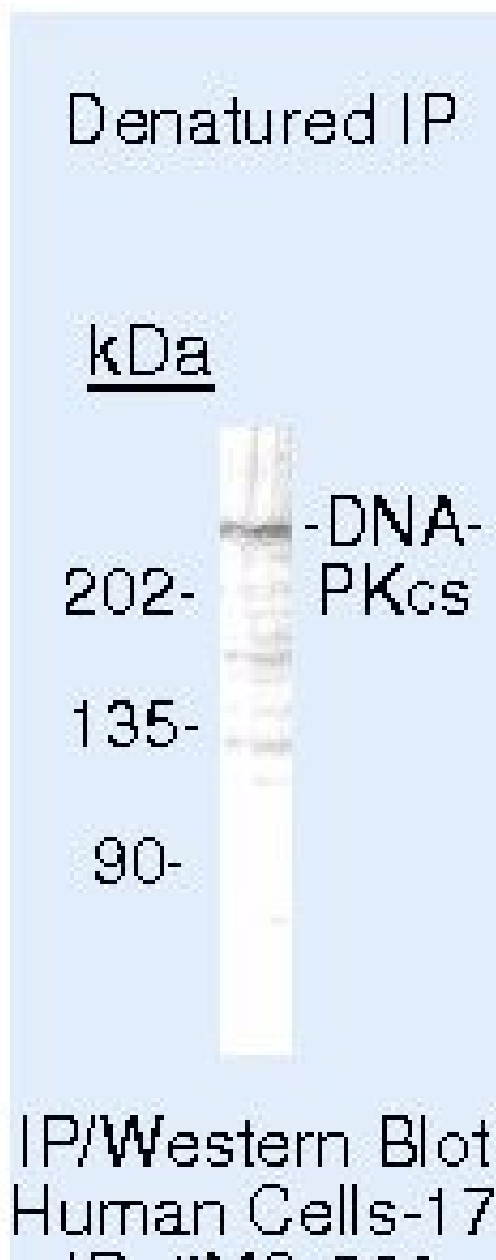


DNA-PK Antibody (MA5-13238) in WB

Western blot of DNA-PKcs using DNA-PKcs Monoclonal Antibody (Product # MA5-13238) on LS174T Cells.

DNA-PK Antibody (MA5-13238) in IP

Immunoprecipitation of DNA-PKcs using DNA-PKcs Monoclonal Antibody (Product # MA5-13238) on denatured Human LS174T Cells.



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Western Blot (34)

<p>The EMBO journal</p> <p>DNA-PKcs and ATM modulate mitochondrial ADP-ATP exchange as an oxidative stress checkpoint mechanism.</p> <p>"Published figure using DNA-PK monoclonal antibody (Product # MA5-13238) in Western Blot"</p> <p>Authors: Chen WM,Chiang JC,Shang Z,Palchik G,Newman C,Zhang Y,Davis AJ,Lee H,Chen BP</p>	<p>Year</p> <p>2023</p>
<p>Nature communications</p> <p>Reciprocal regulation of RIG-I and XRCC4 connects DNA repair with RIG-I immune signaling.</p> <p>"Published figure using DNA-PK monoclonal antibody (Product # MA5-13238) in Western Blot"</p> <p>Authors: Guo G,Gao M,Gao X,Zhu B,Huang J,Tu X,Kim W,Zhao F,Zhou Q,Zhu S,Wu Z,Yan Y,Zhang Y,Zeng X,Zhu Q,Yin P,Luo K,Sun J,Deng M,Lou Z</p>	<p>Year</p> <p>2021</p> <p>Species</p> <p>Human</p> <p>Dilution</p> <p>1:2000</p>

[View more WB references on thermofisher.com](#)

Immunohistochemistry (1)

<p>Head & neck</p> <p>Expression of Ku86 confers favorable outcome of tonsillar carcinoma treated with radiotherapy.</p> <p>"MA5-13238 was used in immunohistochemistry to study the correlation between Ku86 expression and favorable outcome in tonsillar carcinoma treated with radiotherapy"</p> <p>Authors: Friesland S,Kanter-Lewensohn L,Tell R,Munck-Wikland E,Lewensohn R,Nilsson A</p>	<p>Year</p> <p>2003</p> <p>Species</p> <p>Human</p> <p>Dilution</p> <p>1:100</p>
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Immunocytochemistry (3)

<p>Molecular & cellular proteomics : MCP</p> <p>DNA ends alter the molecular composition and localization of Ku multicomponent complexes.</p> <p>"MA5-13238 was used in Western Blotting to define the composition of Ku multicomponent complexes, and demonstrate that they are dramatically altered in response to UV radiation."</p> <p>Authors: Adelmant G,Calkins AS,Garg BK,Card JD,Askenazi M,Miron A,Sobhian B,Zhang Y,Nakatani Y,Silver PA,Iglehart JD,Marto JA,Lazaro JB</p>	<p>Year</p> <p>2012</p> <p>Species</p> <p>Human</p>
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- IP (5)
- ChIP (1)
- Neu (1)
- GS (1)

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