

# PD-1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A 16 amino acid peptide from near the carboxy terminus of human PD-1.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C
RRID	AB_11153220

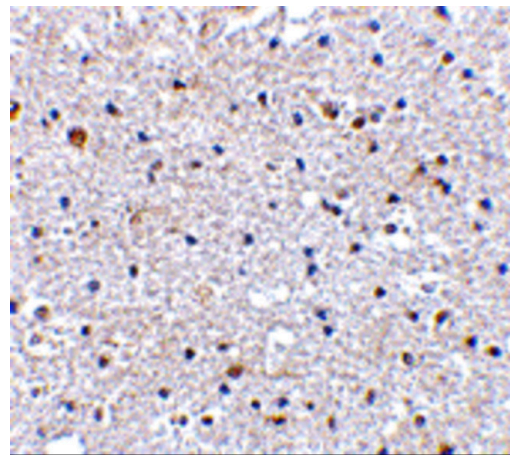
Applications	Tested Dilution	Publications
Western Blot (WB)	1-4 µg/mL	-
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	2.5-5 µg/mL	1 Publication

## Product Specific Information

Despite its predicted molecular weight, PD-1 often migrates at a higher molecular weight in SDS-PAGE. A suggested positive control is THP-1 cell lysate.

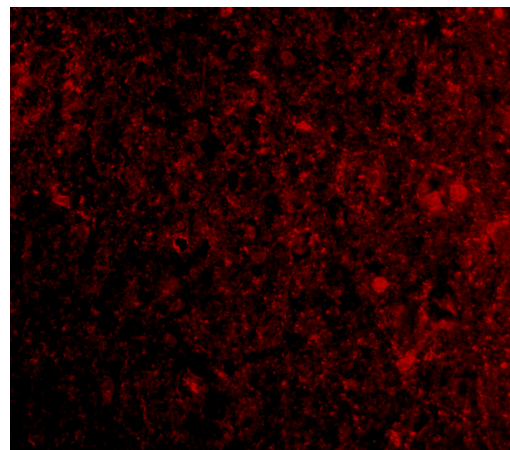
PA5-20350 can be used with blocking peptide PEP-0470.

Product Images For PD-1 Polyclonal Antibody



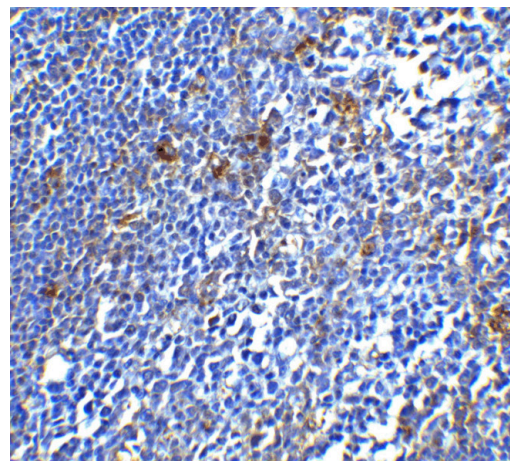
**PD-1 Antibody (PA5-20350) in IHC (P)**

Immunohistochemical analysis of paraffin-embedded human brain tissue using PD-1 Polyclonal Antibody (Product # PA5-20350) at 2.5 µg/mL. Tissue was fixed with formaldehyde and blocked with 0.1 serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



**PD-1 Antibody (PA5-20350) in IHC (P)**

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using PD-1 Polyclonal Antibody (Product # PA5-20350) at 5 µg/mL. Tissue was fixed with formaldehyde and blocked with 0.1 serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



**PD-1 Antibody (PA5-20350) in IHC (P)**

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using PD-1 Polyclonal Antibody (Product # PA5-20350) at 5 µg/mL. Tissue was fixed with formaldehyde and blocked with 0.1 serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

[View more figures on thermofisher.com](https://www.thermofisher.com)

## Immunohistochemistry (2)

Journal for immunotherapy of cancer

### In PD-1+ human colon cancer cells NIVOLUMAB promotes survival and could protect tumor cells from conventional therapies.

"PA5-20350 was used in Immunohistochemistry to show that in PD-1+ human colon cancer cells, NIVO activates tumor survival pathways and could protect tumor cells from conventional therapies."

Authors: Ieranò C, Righelli D, D'Alterio C, Napolitano M, Portella L, Rea G, Auletta F, Santagata S, Trotta AM, Guardascione G, Liotti F, Prevete N, Maiolino P, Luciano A, Barbieri A, Di Mauro A, Roma C, Esposito Abate R, Tatangelo F, Pacelli R, Normanno N, Melillo RM, Scala S

Year  
2022

Species  
Human

Dilution  
1:50

Journal of experimental & clinical cancer research : CR

### Targeting CXCR4 potentiates anti-PD-1 efficacy modifying the tumor microenvironment and inhibiting neoplastic PD-1.

"Published figure using PD-1 polyclonal antibody (Product # PA5-20350) in Immunohistochemistry (Paraffin)"

Authors: D'Alterio C, Buoncervello M, Ieranò C, Napolitano M, Portella L, Rea G, Barbieri A, Luciano A, Scognamiglio G, Tatangelo F, Anniciello AM, Monaco M, Cavalcanti E, Maiolino P, Romagnoli G, Arra C, Botti G, Gabriele L, Scala S

Year  
2019

Species  
Mouse

Dilution  
1:50

## Immunohistochemistry (Paraffin) (1)

Journal of experimental & clinical cancer research : CR

### Targeting CXCR4 potentiates anti-PD-1 efficacy modifying the tumor microenvironment and inhibiting neoplastic PD-1.

"Published figure using PD-1 polyclonal antibody (Product # PA5-20350) in Immunohistochemistry (Paraffin)"

Authors: D'Alterio C, Buoncervello M, Ieranò C, Napolitano M, Portella L, Rea G, Barbieri A, Luciano A, Scognamiglio G, Tatangelo F, Anniciello AM, Monaco M, Cavalcanti E, Maiolino P, Romagnoli G, Arra C, Botti G, Gabriele L, Scala S

Year  
2019

Species  
Mouse

Dilution  
1:50

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