

TYK2 Polyclonal Antibody

Catalog NumberPA5-34497

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Published species	Mouse, Not Applicable
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Western Blot (WB)	1-2 µg/mL
Immunogen	A 17 amino acid peptide near the amino terminus of human TYK2	Published Applications	
Conjugate	Unconjugated	Western Blot (WB)	See 1 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
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		

Product specific information

A suggested positive control is human small intestine tissue lysate. PA5-34497 can be used with blocking peptide PEP-1539.

Background/Target Information

Tyrosine Kinase 2 (TYK2) a member of the JAK kinase family, plays both structural and catalytic roles in type I interferon (IFN) signaling. As such, it may play a role in anti-viral immunity. A mutation in this gene has been associated with hyperimmunoglobulin E syndrome (HIES) - a primary immunodeficiency characterized by elevated serum immunoglobulin E.

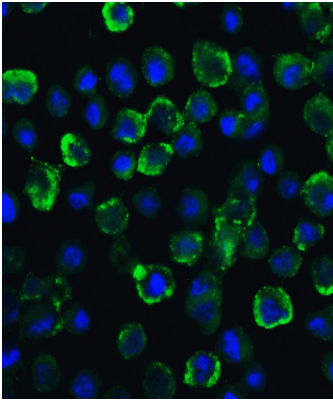
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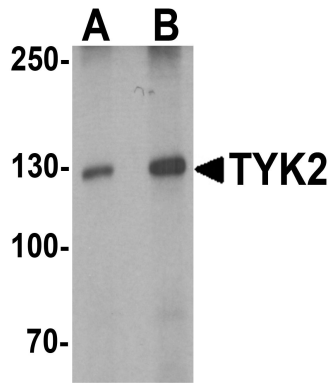
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Product Images For TYK2 Polyclonal Antibody



TYK2 Antibody (PA5-34497) in ICC/IF
Immunofluorescence of TYK2 in A549 cells with TYK2 Polyclonal Antibody (Product # PA5-34497) at 20 µg/mL.



TYK2 Antibody (PA5-34497) in WB
Western Blot analysis of TYK2 in human small intestine tissue lysate with TYK2 Polyclonal Antibody (Product # PA5-34497) at (A) 1 and (B) 2 µg/mL

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PubMed References For TYK2 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	PA5-34497 was used in Western Blot to study the initial complex formation occurring during type-1 IFN signaling during the host-pathogen response..
Mouse / Not Cited	Journal of immunology (Baltimore, Md. : 1950) (2020; 204: 2242) "An Essential Role for Perforin-2 in Type I IFN Signaling." Author(s):McCormack R,Hunte R,Podack ER,Plano GV,Shembade N PubMed Article URL: http://dx.doi.org/10.4049/jimmunol.1901013

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