

IL-1 beta Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E.coli-derived human IL-1 beta recombinant protein (Position: A117-S269).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 4mg trehalose
Contains	0.05mg sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2807258

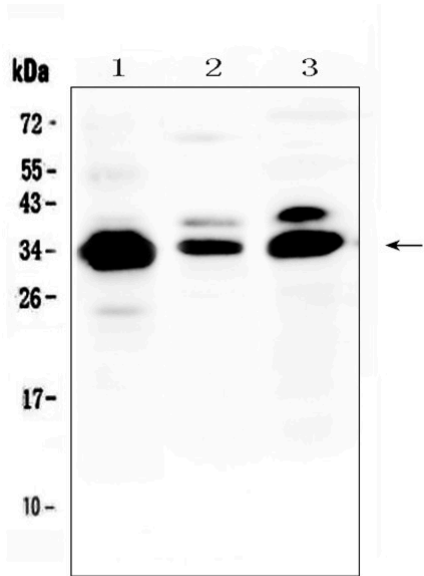
Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	1 Publication

Product Specific Information

Human IL-1 beta shares 78.3% and 77.6% amino acid (aa) sequence identity with mouse and rat IL-1 beta, respectively.

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For IL-1 beta Polyclonal Antibody



IL-1 beta Antibody (PA5-95455) in WB

Western blot analysis of IL-1 beta in, Lane 1: human COLO-320 whole cell lysate, Lane 2: rat spleen tissue lysate, Lane 3: mouse NIH3T3 whole cell lysate. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 µg of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. The membrane was blocked with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with IL-1 beta Polyclonal Antibody (Product # PA5-95455) at 0.5 g/mL overnight at 4°C, then washed with TBS-0. 1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit. A specific band was detected for IL-1 beta at approximately 35KD. The expected band size for IL-1 beta is at 31KD.

1 Reference

Western Blot (1)

Journal of neuroinflammation	Year 2019
Chemerin-induced macrophages pyroptosis in fetal brain tissue leads to cognitive disorder in offspring of diabetic dams.	
"Published figure using IL-1 beta polyclonal antibody (Product # PA5-95455) in Western Blot"	
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