

Product Datasheet

IL-1 Beta Rabbit Polyclonal Antibody (orb101745)

Catalog Number	orb101745
Category	Antibodies
Description	IL-1 Beta Rabbit Polyclonal Antibody
Target	IL1B
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Mouse
Predicted Reactivity	Human, Insect
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human IL-1 Beta (161-269/269aa)
UniProt ID	P01584
MW	37 kDa

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

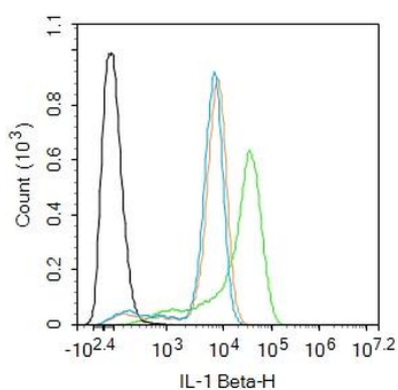
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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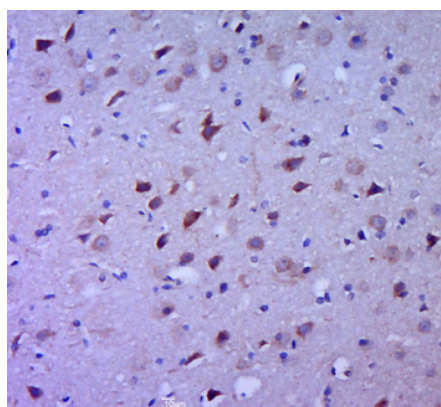
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Tested applications	WB
Dilution range	WB=1:500-2000
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-IL-1 Beta antibody (orb101745), Dilution: 2 $\mu\text{g}/10^6$ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-FITC, Dilution: 0.5 $\mu\text{g}/\text{test}$. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (IL-1 Beta) Polyclonal Antibody, Unconjugated (orb101745) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

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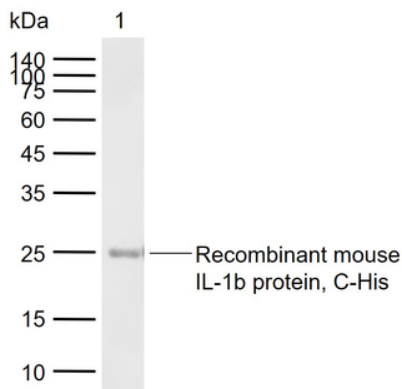
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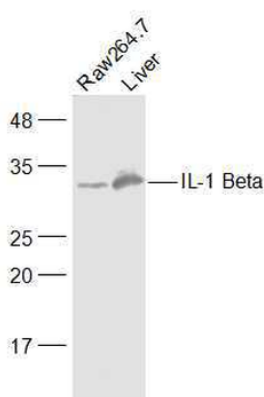
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Sample: Lane 1: Recombinant mouse IL-1b protein, C-His,
Primary: Anti-IL-1 Beta (orb101745) at 1/1000 dilution,
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution, Predicted band size: 17/32 kDa, Observed band size:
25 kDa.



Sample: Raw264.7 (Mouse) Cell Lysate at 30 ug, Liver (Mouse)
Lysate at 40 ug, Primary: Anti-IL-1 Beta (orb101745) at 1/500
dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution, Predicted band size: 17/30 kD, Observed band
size: 30 kD.

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