

## Product Datasheet

### IP-10 Antibody (orb1272655)

<b>Catalog Number</b>	orb1272655
<b>Description</b>	IP-10 Antibody
<b>Reactivity</b>	Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ELISA, NeA, WB
<b>Immunogen</b>	Produced from sera of rabbits immunized with highly pure recombinant Human Heregulin- $\beta$ 1. Human Heregulin- $\beta$ 1 specific antibody was purified by affinity chromatography and then biotinylated.
<b>Target</b>	Cxcl10
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	batch dependent
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Application notes</b>	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of Rat IP-10 (100 ng/mL), a concentration of 5.0-10.0 $\mu$ g/mL of this antibody is required. SandwichTo detect Rat IP-10 by sandwich ELISA (using 100 $\mu$ L/well antibody solution) a concentration of 0.5 - 2.0 $\mu$ g/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with our Biotinylated Anti-Rat IP-10 (38-255) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Rat IP-10. Western Blot:To detect Rat IP-10 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 $\mu$ g/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat IP-10 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

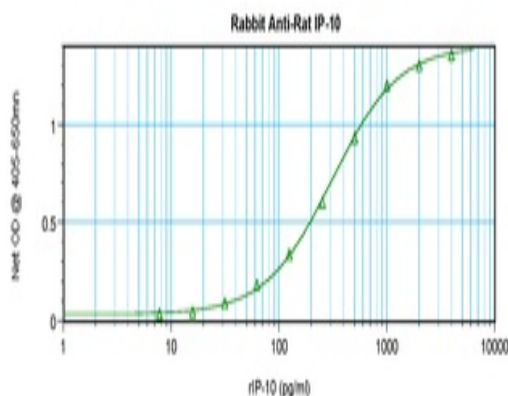
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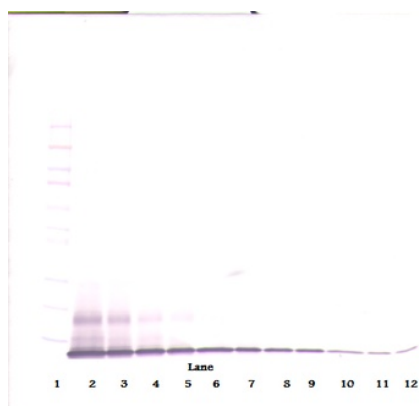
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<b>Clonality</b>	Polyclonal
<b>Antibody Type</b>	Primary Antibody
<b>Uniprot ID</b>	<b>P48973</b>
<b>NCBI</b>	<b>P48973</b>
<b>Expiration Date</b>	12 months from date of receipt.



To detect Rat IP-10 by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.5 - 2.0 ug/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Rat IP-10 (orb1272652) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Rat IP-10.



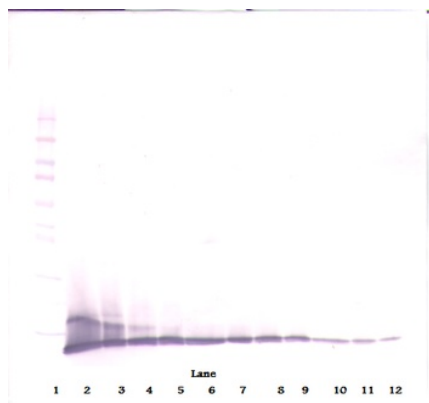
To detect Rat IP-10 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat IP-10 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

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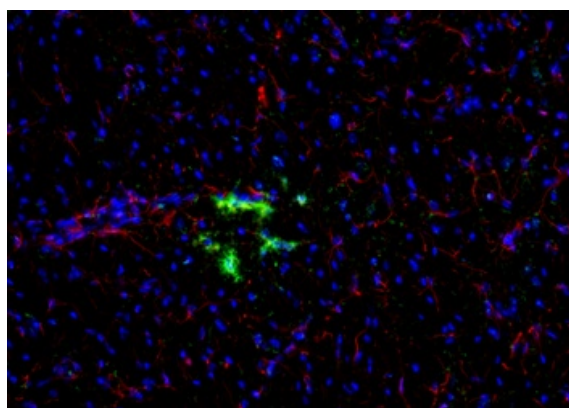
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To detect Rat IP-10 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat IP-10 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.



This antibody stained colchicine injected rat brain (including the caudate putamen) tissue. The primary antibody was incubated at 0.25 ug/ml overnight at 4 °C. This was followed by a peroxidase conjugated secondary antibody and then a fluorescein Tyramide Signal Amplification (TSA) reagent. Optimal concentrations and conditions may vary.

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