

Anti-Rat IL-1 α Antibody

Catalog # ABG10237

Product Information

Application	WB, IHC, E
Reactivity	Rat
Host	Goat
Clonality	Polyclonal

Additional Information

Preparation	Produced from sera of goats pre-immunized with highly pure (>98%) recombinant Rat IL-1 α . Anti-Rat IL-1 α specific antibody was purified by affinity chromatography employing immobilized Rat IL-1 α matrix.
WesternBlot	To detect Rat IL-1 α by Western Blot analysis this antibody can be used at a concentration of 0.1- 0.2 μ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat IL-1 α is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Sandwich	To detect Rat IL-1 α by sandwich ELISA (using 100 μ l/well antibody solution) a concentration of 0.5 - 2.0 μ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with BioGems' Biotinylated Anti-Rat IL-1 α (62-001ABT) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Rat IL-1 α .
Immunohistochemistry	This antibody stained colchicine injected rat brain (including the ventricles and the CA3 region of the hippocampus) tissue. The primary antibody was incubated at 1.0 μ g/ml overnight at 4 $^{\circ}$ C. This was followed by a peroxidase conjugated secondary antibody and then a fluorescein Tyramide Signal Amplification (TSA TM) reagent. Optimal concentrations and conditions may vary. Information and photo are courtesy of the Tissue Profiling group, SciLifeLab Stockholm.
Neutralization	To yield one-half maximal inhibition [ND ₅₀] of the biological activity of Rat IL-1 α (50 pg/ml), a concentration of 0.011 - 0.017 μ g/ml of this antibody is required.
Formulation	A sterile filtered antibody solution was lyophilized from PBS, pH 7.2.
Reconstitution	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.
Storage	-20 $^{\circ}$ C
Precautions	Anti-Rat IL-1 α Antibody is for research use only and not for use in diagnostic or therapeutic procedures.