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Anti-Rat IL-1α Antibody
Catalog # ABG10237

Specification

Anti-Rat IL-1α Antibody - Product Information

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

Anti-Rat IL-1α Antibody - Additional Information

Preparation
Produced from sera of goats pre-immunized with highly pure (>98%) recombinant Rat IL-1α. Anti-Rat IL-1α specific antibody was purified by affinity chromatography employing immobilized Rat IL-1α matrix.

WesternBlot
To detect Rat IL-1α by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat IL-1α is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Sandwich
To detect Rat IL-1α by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with BioGems' Biotinylated Anti-Rat IL-1α (62-001ABT) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Rat IL-1α.

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 µg/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. Information and photo are courtesy of the Tissue Profiling group, SciLifeLab Stockholm.

Neutralization
To yield one-half maximal inhibition [ND₅₀] of the biological activity of Rat IL-1α (50 pg/ml), a concentration of 0.011 - 0.017 µg/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°C

Precautions
Anti-Rat IL-1α Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Rat IL-1α Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Rat IL-1α Antibody - Images