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IGF-I Antibody

Catalog No.: XP-5158

Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	none
Species Reactivity:	Human
Details:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hIGF-1 (human Insulin Like Growth Factor-1).
Purification:	Anti-hIGF-1 specific antibody was purified by affinity chromatography employing immobilized hIGF-1 matrix.
Preparation:	A sterile filtered antibody solution (1 mg/mL) was lyophilized from 0.5X PBS pH 7.2.
Tested Applications:	E, WB, N
Application Details:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hIGF-1 (3.00 ng/ml), a concentration of 0.67 0.1 µg/ml of this antibody is required. ELISA: To detect hIGF-1 by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hIGF-1. Western Blot: To detect hIGF-1 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 hIGF-1 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Storage:	IGF-I lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20ºC. Reconstitute in sterile water to a concentration of 0.1 - 1.0 mg/ml. The antibody is stable for at least six weeks at 2-4ºC when reconstituted.

Note: During shipment, small volumes of the antibody will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap. Optimal dilutions/concentrations should be determined by the end user. The information provided is a guideline for product use. **This product is for research use only.**