10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Glargine Insulin polyclonal antibody

Purified Guinea pig polyclonal Antibody (Pab)
Catalog # AW5686

Specification

Anti-Glargine Insulin polyclonal antibody - Product Information

Application	**sELISA,E**
Host	**Guinea Pig**
Clonality	**Polyclonal**
Antigen Source	**Insulin glargine, marketed under the names Lantus, among others, is a long-acting basal insulin analogue, given once daily to help control the blood sugar level of those with diabetes. Insulin glargine has a substitution of glycine for asparagine at N21 (Asn21) and two arginines added to the carboxy terminal of B chain. The arginine amino acids shift the isoelectric point from a pH of 5.4 to 6.7, making the molecule more soluble at an acidic pH and less soluble at physiological pH. The isoelectric shift also allows for the subcutaneous injection of a clear solution. The glycine substitution prevents deamidation of the acid-sensitive asparagine at acidic pH. In the neutral subcutaneous space, higher-order aggregates form, resulting in a slow, peakless dissolution and absorption of insulin from the site of injection. It can achieve a peakless level for at least 24 hours. Molecular formula: C267H404N72O78S6 Molecular weight:6063**

Anti-Glargine Insulin polyclonal antibody - Additional Information

Other Names
Anti-Glargine Insulin polyclonal antibody

Dilution
sELISA~~N/A

Target/Specificity
Guinea pig polyclonal antibody raised against Glargine Insulin .

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a antigen affinity purification column, followed by dialysis against PBS.

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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.

Precautions
Anti-Glargine Insulin polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Glargine Insulin polyclonal antibody - Protein Information

Anti-Glargine Insulin polyclonal 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-Glargine Insulin polyclonal antibody - Images

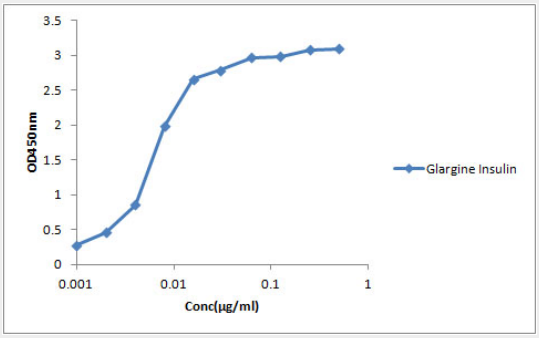

Plate was coated with Glargine Insulin at 1.25 μg/ml in PBS, and then incubated with Anti-Glargine Insulin polyclonal antibody from 0.001 μg/ml to 0.5 μg/ml. The secondary antibody, HRP conjugated goat anti-Guinea pig IgG, were used at 1:6000 dilution.