

**Anti-Glargine Insulin polyclonal antibody**  
**Purified Guinea pig polyclonal Antibody (Pab)**  
**Catalog # AW5686****Specification**

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**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: C <sub>267</sub> H <sub>404</sub> N <sub>72</sub> O <sub>78</sub> S <sub>6</sub> 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.

**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 Cytometry](#)
- [Cell Culture](#)

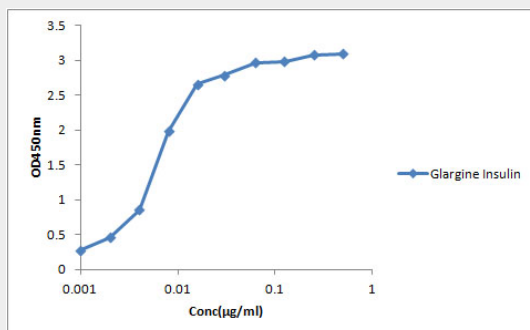
**Anti-Glargine Insulin polyclonal antibody - Images**

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.