

**AP02287SU-S****Polyclonal Antibody to GUCY2G (1045-1057) - Serum****Alternate names:**

GC-G, Guanylate cyclase 2G, Guanylyl cyclase receptor G, Kinase-like domain-containing soluble guanylyl cyclase, ksGC

**Quantity:**

20 µl

**Background:**

Guanylate Cyclase is an heterodimer of an alpha and a beta chain. Its enzymatic activity transforms GTP to GMP releasing a diphosphate. It binds 1 or 2 hemes per heterodimer. It is activated by nitric oxide in the presence of magnesium or manganese ions. There are two types of guanylate cyclase: soluble form and membrane-associated receptor form.

**Uniprot ID:**

[P55205](#)

**NCBI:**

[NP\\_620611.1](#)

**GenID:**

[245708](#)

**Host:**

Rabbit

**Immunogen:**

Synthetic Rat Guanylate Cyclase 2G (aa 1045-1057) polyLysine-conjugated

**Genename:** Gucy2g, Ksgc

**AA Sequence:**

EFTEEEAKVPEIL

**Format:**

**State:** Lyophilized Serum

**Reconstitution:** Restore in aqua bidest to initial volume.

**Applications:**

**Western Blot:** 1/1000-1/2000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody detects synthetic Rat Guanylat Cyclase 2G (aa 1045-1057). Other species not tested.

**Add. Information:**

LocusID 25711

**Storage:**

Store lyophilized at 2-8°C and reconstituted at -20°C.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.