

## Product datasheet for **TA376877S**

### **GUCY1A1 Rabbit Polyclonal Antibody**

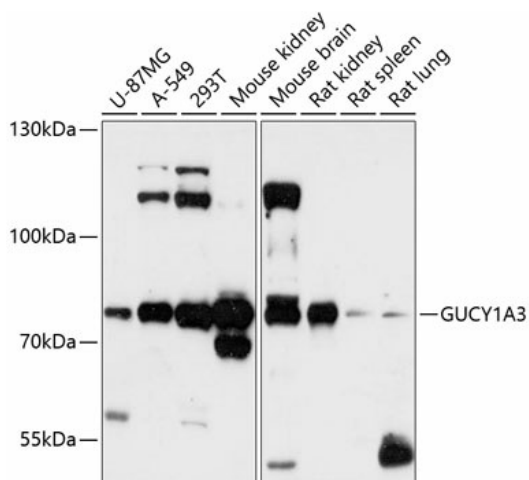
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ICC/IF, WB
<b>Recommended Dilution:</b>	WB,1:1000 - 1:3000 IF,1:50 - 1:200
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Modifications:</b>	Unmodified
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-120 of human GUCY1A3 (NP_000847.2).
<b>Formulation:</b>	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity purification
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Predicted Protein Size:</b>	70kDa/77kDa
<b>Gene Name:</b>	guanylate cyclase 1, soluble, alpha 3
<b>Database Link:</b>	<a href="#">Entrez Gene 2982 Human Q02108</a>
<b>Background:</b>	Soluble guanylate cyclases are heterodimeric proteins that catalyze the conversion of GTP to 3',5'-cyclic GMP and pyrophosphate. The protein encoded by this gene is an alpha subunit of this complex and it interacts with a beta subunit to form the guanylate cyclase enzyme, which is activated by nitric oxide. Several transcript variants encoding a few different isoforms have been found for this gene.
<b>Synonyms:</b>	GC-S-alpha-1; GC-SA3; GCS-alpha-1; GCS-alpha-3; GUC1A3; GUCA3; GUCSA3; GUCY1A1

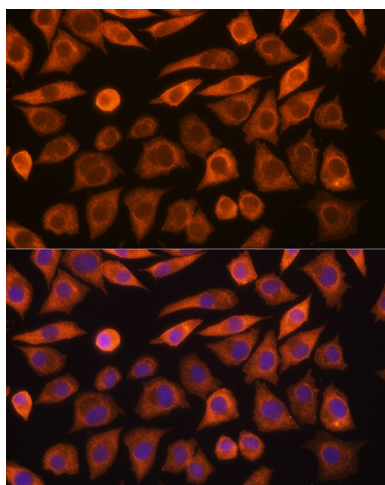


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**Product images:**



Western blot analysis of extracts of various cell lines, using GUCY1A3 antibody ([TA376877]) at 1:3000 dilution. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% nonfat dry milk in TBST. |Detection: ECL Enhanced Kit . |Exposure time: 90s.



Immunofluorescence analysis of L929 cells using GUCY1A3 Rabbit pAb ([TA376877]) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.