

Product datasheet for **TA382484**

PIMT (TGS1) Rabbit Polyclonal Antibody

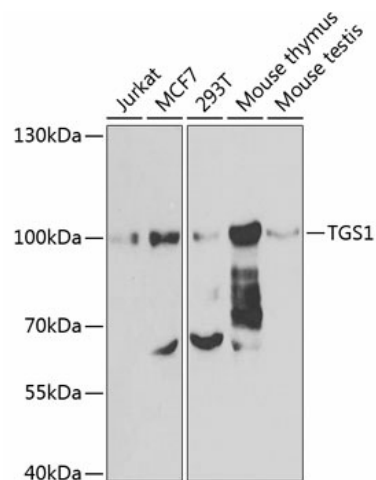
Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB,1:500 - 1:2000 |
| Reactivity: | Human, Mouse |
| Modifications: | Unmodified |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 714-853 of human TGS1 (NP_079107.6). |
| Formulation: | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 96kDa |
| Gene Name: | trimethylguanosine synthase 1 |
| Database Link: | Entrez Gene 96764 Human Q96RS0 |
| Background: | Catalyzes the 2 serial methylation steps for the conversion of the 7-monomethylguanosine (m7G caps of snRNAs and snoRNAs to a 2,2,7-trimethylguanosine (m(2,2,7G cap structure. The enzyme is specific for guanine, and N7 methylation must precede N2 methylation. Hypermethylation of the m7G cap of U snRNAs leads to their concentration in nuclear foci, their colocalization with coilin and the formation of canonical Cajal bodies (CBs. Plays a role in transcriptional regulation. |
| Synonyms: | DKFZp762A163; FLJ22995; HCA137; NCOA6IP; PIMT; PIPMT; SEREX-defined |



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Product images:



Western blot analysis of extracts of various cell lines, using TGS1 antibody (TA382484) at 1:1000 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 Basic Kit. | Exposure time: 90s.