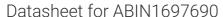
antibodies .- online.com







anti-GNPDA2 antibody (AA 101-200) (Alexa Fluor 555)



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| Quantity: | 100 μL |
|----------------------|--|
| Target: | GNPDA2 |
| Binding Specificity: | AA 101-200 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GNPDA2 antibody is conjugated to Alexa Fluor 555 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| Immunogen: | KLH conjugated synthetic peptide derived from human GNPDA2 |
|-----------------------|--|
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Predicted Reactivity: | Human,Dog,Cow,Sheep,Pig,Horse |
| Purification: | Purified by Protein A. |

Target Details

| Target: | GNPDA2 |
|-------------------|--------------------------|
| Alternative Name: | GNPDA2 (GNPDA2 Products) |

Target Details

Storage Comment:

Expiry Date:

| Larget Details | |
|---------------------|--|
| Background: | Synonyms: GlcN6P deaminase 2, Glucosamine 6 phosphate deaminase 2, Glucosamine 6 phosphate isomerase 2, Glucosamine-6-phosphate deaminase 2, Glucosamine-6-phosphate isomerase 2, Glucosamine-6-phosphate isomerase SB52, GNP2, GNPDA 2, Gnpda2, GNPI2_HUMAN, SB52. Background: During fertilization in mammals, the sperm activates the egg by causing an increase in the level of free cytoplasmic calcium concentration. This increased calcium concentration induces a characteristic series of oscillations that trigger egg activation and early embryo development. A hamster protein named oscillin is thought to be involved in this pathway. The enzyme glucosamine-6-phosphate isomerase (GNPI) or deaminase (GNPDA1) and the related protein GNPDA2 are the human homologs of hamster oscillin. GNPDA1 and GNPDA2 catalyze the conversion of GNP to fructose-6-phosphate and ammonia. Both proteins exist as homohexamers and are ubiquitously expressed with highest expression in testis, ovary |
| | and heart. Three isoforms of GNPDA2 are expressed due to alternative splicing events. |
| Gene ID: | 132789 |
| Application Details | |
| Application Notes: | IF(IHC-P) 1:50-200 |
| | IF(IHC-F) 1:50-200 |
| | IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | 1 μg/μL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| | |

12 months

Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.