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Datasheet for ABIN5001474
anti-DPPA2 antibody (Alexa Fluor 680)

Overview

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|--------------|--|
| Quantity: | 100 µL |
| Target: | DPPA2 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This DPPA2 antibody is conjugated to Alexa Fluor 680 |
| Application: | Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from mouse DPPA2 |
| Isotype: | IgG |
| Predicted Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | DPPA2 |
| Alternative Name: | DPPA2 (DPPA2 Products) |
| Background: | Synonyms: Developmental Pluripotency Associated 2, developmental pluripotency associated gene2, PESCRG1, Pluripotent embryonic stem cell related protein 1, cancer/testis antigen 100, CT100, developmental pluripotency-associated gene 2, developmental pluripotency-associated protein 2, ECAT15-2, embryonic stem cell ESC associated transcript 15-2, PESCRG1, Pluripotent |

Target Details

embryonic stem cell related protein 1, Pluripotent embryonic stem cell-related gene 1, Pluripotent embryonic stem cell-related gene 1 protein .

Background: SCRG1 (scrapie-responsive protein 1) is a 98 amino acid secreted protein that belongs to the SCRG1 family. The SCRG1 protein contains a 20-amino acid signal peptide, and is expressed abundantly in the central nervous system of human adult, but not at all in fetal brain. The protein is targeted to the Golgi apparatus and large dense-core vesicles/secretory granules in neurons. High levels of SCRG1 transcripts are also observed in testis and aorta. SCRG1 is associated with neurodegenerative changes observed in transmissible spongiform encephalopathies. It may play a role in host response to prion-associated infections. The SCRG1 protein may be partly included in the membrane or secreted by the cells due to its hydrophobic N-terminus. The human and mouse SCRG1 proteins share 83 % sequence identity. The SCRG1 gene is conserved in chimpanzee, cow, mouse, rat and chicken, and maps to human chromosome 4q34.1.

Gene ID: 151871

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes: IF(IHC-P) 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.

Storage: -20 °C

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

Expiry Date: 12 months