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Datasheet for ABIN894352
anti-DPPA2 antibody (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	DPPA2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPPA2 antibody is conjugated to Alexa Fluor 488
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.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months