

Product datasheet for TA326461

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Abcc9 Mouse Monoclonal Antibody [Clone ID: S319A-14]

Product data:

Product Type: Primary Antibodies

Clone Name: S319A-14
Reactivity: Rat, Mouse

Host: Mouse Isotype: IgG2a

Clonality: Monoclonal

Immunogen: Fusion protein amino acids 1505-1546 (SSIVDAGLVLVFSEGILVECDTGPNLLQH

KNGLFSTLVMTNK, cytoplasmic C-terminus) of mouse SUR2A

Formulation: PBS pH7.4, 50% glycerol, 0.09% sodium azide

Concentration: lot specific

Purification: Protein G Purified

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Gene Name: ATP-binding cassette, sub-family C (CFTR/MRP), member 9

Database Link: NP 001038185

Entrez Gene 25560 RatEntrez Gene 20928 Mouse

P70170

Background: Sulfonylurea receptors (SUR) are membrane proteins which are the molecular targets of the

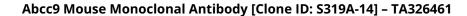
sulfonylurea class of antidiabetic drugs whose mechanism of action is to promote insulin release from pancreatic beta cells. More specifically, SUR proteins are subunits of the inwardrectifier potassium ion channels Kir6.x (6.1 and 6.2). The association of four Kir6.x and

four SUR subunits form an ion conducting channel commonly referred to as the KATP channel. The primary function of the sulfonylurea receptor is to sense intracellular levels of the nucleotides ATP and ADP and in response facilitate the open or closing its associated Kir6.x potassium channel. Hence the KATP channel monitors the energy balance within the

cell.

Synonyms: ABC37; CMD10; FLJ36852; SUR2







Note: Detects ~120kDa. Does not cross-react with SUR2B