

## Product datasheet for **TA326461**

### 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:	<a href="#">NP_001038185</a> <a href="#">Entrez Gene 25560 Rat</a> <a href="#">Entrez Gene 20928 Mouse</a> <a href="#">P70170</a>

**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



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