

## Product datasheet for **TA326572**

### Nalcn Mouse Monoclonal Antibody [Clone ID: S187-7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	S187-7
Recommended Dilution:	WB: 1ug/ml
Reactivity:	Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1659-1738 (cytoplasmic Cterminus) of rat NALCN
Formulation:	PBS pH7.4, 50% glycerol
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:	sodium leak channel, non-selective
Database Link:	<a href="#">NP_705894</a> <a href="#">Entrez Gene 338370 Mouse</a> <a href="#">Entrez Gene 266760 Rat</a> <a href="#">Q6Q760</a>

**Background:** NALCN (sodium leak channel non-selective protein), also known as Canlon or VGCNL1 (voltage gated channel-like protein 1), is a 1738 amino acid multi-pass membrane protein that belongs to the cation-nonspecific channel family. NALCN is highly conserved in mammals and is widely expressed in the central nervous system. Activated by NK-1R, NALCN is a voltage-independent, nonselective cation channel which is permeable to sodium, potassium and calcium ions. NALCN is responsible for background sodium ion leak conductance in neurons and regulates basal excitability of the nervous systems. Defects of NALCN in mice causes disruption in respiratory rhythm and death occurs within 24 hours of birth. Three isoforms of NALCN exist due to alternative splicing events.

**Synonyms:** bA430M15.1; Canlon; FLJ23913; FLJ44659; FLJ44764; MGC74524; VGCNL1



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**Note:** Detects ~200kDa.