
Product Information

Product SKU:	CAB1097	Gene ID:	488	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	115kDa	Conjugate:	Unconjugated
Calculated MW:	115kDa	Isotype:	IgG

Immunogen Information

Background:	This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of the skeletal muscle. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol into the sarcoplasmic reticulum lumen, and is involved in regulation of the contraction/relaxation cycle. Mutations in this gene cause Darier-White disease, also known as keratosis follicularis, an autosomal dominant skin disorder characterized by loss of adhesion between epidermal cells and abnormal keratinization. Other types of mutations in this gene have been associated with various forms of muscular dystrophies. Alternative splicing results in multiple transcript variants encoding different isoforms.
Recommended Dilution:	WB,1:2000 - 1:10000 IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200
Synonyms:	DD; DAR; ATP2B; SERCA2; SERCA2/ATP2A2
Purification Method:	Affinity purification
Immunogen:	Recombinant fusion protein containing a sequence within amino acids 1-80 of human SERCA2/ATP2A2 (NP_733765.1).
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.