STC-2 monoclonal antibody, clone 4D9

Catalog # MAB0033-M01 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against stanniocalcin-2.
Immunogen	Recombinant Flag fusion protein corresponding to amino acids 25-302 of human STC2.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2b, kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein on ELISA.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — STC2

Entrez GeneID	8614
Protein Accession#	O76061
Gene Name	STC2
Gene Alias	STC-2, STCRP

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Gene Description	stanniocalcin 2
Omim ID	603665
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The encoded protein has 10 of its 15 cysteine residues conserved among stanniocalcin family members and is phosphorylated by casein kinase 2 exclusively on its serine residues. Its C-terminus contains a cluster of histidine residues which may interact with metal ions. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Constitutive overexpression of human stanniocalcin 2 in mice resulted in pre- and postnatal growth restriction, reduced bone and skeletal muscle growth, and organomegaly. Expression of this gene is induced by estrogen and altered in some breast cancers. [provided by RefSeq
Other Designations	STC-related protein|stanniocalcin-related protein

Disease

- Amyotrophic lateral sclerosis
- Anoxia
- Genetic Predisposition to Disease
- Hyperparathyroidism

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