

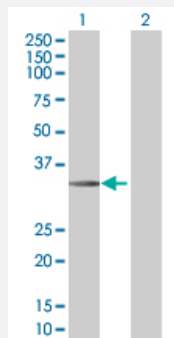
MaxPab®

STC2 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008614-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of STC2 expression in transfected 293T cell line ([H00008614-T01](#)) by STC2 MaxPab polyclonal antibody.

Lane 1: STC2 transfected lysate(33.22 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human STC2 protein.
Immunogen	STC2 (NP_003705, 1 a.a. ~ 302 a.a) full-length human protein.
Sequence	MCAERLGQFMTLALVLATFDPARGTATNPPEGPDQRSSQQKGRLSLQNTAEIQHCLVNAGDVG CGVFECFENNCSCEIRGLHGICMTFLHNAGKFDAQGKSFIDALKCKAHALRHRFGCISRKCPAIRE MVSQQLQRECYLKHDLCAAAQENTRVMEMIHFKDLLLHEPYVDLVNLLTCGEEVKEATHSVQVQ CEQNWGSLCSILSFCTSAIQKPPTAPPERQPQVDRTKLSRAHHGEAGHHLPEPSSRETGRGAKG ERGSKSHPNAHARGRVGGLGAQGPSGSSEWEDEQSEYSDIRR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (84)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — STC2

Entrez GeneID [8614](#)

GeneBank Accession# [NM_003714](#)

Protein Accession# [NP_003705](#)

Gene Name STC2

Gene Alias STC-2, STCRP

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](#)