

Rabbit anti-Human Stanniocalcin 2 Polyclonal Antibody | anti-STC2 antibody

Rabbit anti-Stanniocalcin 2 Antibody, Affinity Purified

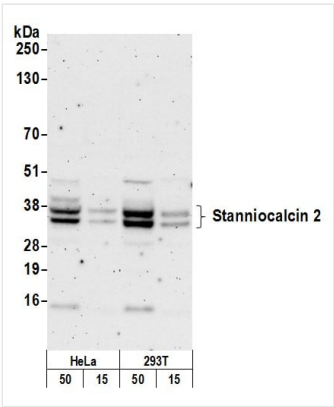
CATALOG # AAA211857	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

Stanniocalcin 2; Polyclonal Antibody; Rabbit anti-Stanniocalcin 2 Antibody; Affinity Purified; stanniocalcin-2; STCRP; STC-related protein; stanniocalcin-related protein; STC-2; Stanniocalcin-2; stanniocalcin 2; anti-STC2 antibody

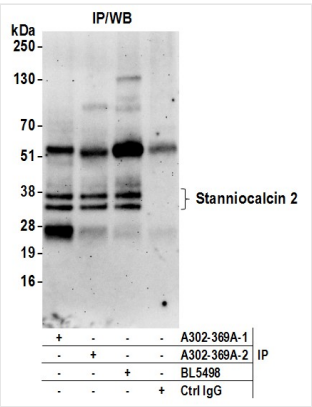
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-STC2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse, Rat, Orangutan
Immunogen	Between 252 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human Stanniocalcin 2 by western blot. Samples: Whole cell lysate (15 and 50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Stanniocalcin 2 antibody AAA211857 (lot AAA211857-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human Stanniocalcin 2 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Stanniocalcin 2 antibody AAA211857 (lot AAA211857-2) used for IP at 6 ug per reaction. Stanniocalcin 2 was also immunoprecipitated by a previous lot of this antibody (lot AAA211857-1) and rabbit anti-Stanniocalcin 2 antibody BL5498 For blotting immunoprecipitated Stanniocalcin 2, AAA211857 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

Related Product Information for anti-STC2 antibody	Stanniocalcin 2 is a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The 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. Stanniocalcin 2 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 is altered in some breast cancers [taken from NCBI Entrez Gene (GeneID: 8614)].
Product Categories/Family for anti-STC2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507267
NCBI GeneID	8614
NCBI Accession #	NP_003705.1
NCBI GenBank Nucleotide #	NM_003714.2
UniProt Accession #	O76061
Molecular Weight	33,249 Da
NCBI Official Full Name	stanniocalcin-2
NCBI Official Synonym Full Names	stanniocalcin 2
NCBI Official Symbol	STC2
NCBI Official Synonym Symbols	STC-2; STCRP
NCBI Protein Information	stanniocalcin-2; STC-related protein; stanniocalcin-related protein
UniProt Protein Name	Stanniocalcin-2
UniProt Gene Name	STC2

UniProt Synonym Gene Names	STC-2; STC-related protein; STCRP
UniProt Entry Name	STC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/stanniocalcin-2-antibody-immunoprecipitation-western-blot-elisa/211857>