

## Stanniocalcin 2 Polyclonal Antibody

Catalog number: 10314-1-AP

Size: 45 µg/150 µl

Source: Rabbit

Isotype: IgG

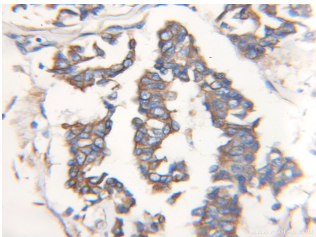
Synonyms:

STC2; stanniocalcin 2,

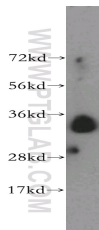
Stanniocalcin related protein,

STC 2, STC related protein,

STC2, STCRP



Immunohistochemical of paraffin-embedded human breast cancer using 10314-1-AP (STC2 antibody) at dilution of 1:100 (under 10x lens)



human brain tissue were subjected to SDS PAGE followed by western blot with 10314-1-AP (STC2 antibody) at dilution of 1:500

### Background

Stanniocalcin (STC) is a family of secreted glycoprotein hormones that originally discovered in the corpuscles of Stannius, an endocrine gland of fish. STC1 and STC2, two homologues of STC family, are reported to involve in calcium and phosphate homeostasis. It is expressed in a wide variety of tissues such as kidney, spleen, heart, and pancreas. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. STC2 overexpression could promote tumor cell proliferation, invasion and metastasis in prostate cancer, ovarian cancer or neuroblastoma. STC2 is also vital for cytoprotective properties when exposed to ER stress and hypoxia.

### Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IHC, WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated Stanniocalcin 2 MW:	33 kDa
Observed Stanniocalcin 2 MW:	33 kDa
Positive WB detected in	Human brain tissue
Positive IHC detected in	Human breast cancer tissue, human kidney tissue, human renal cell carcinoma tissue, human stomach cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0359
GenBank accession number:	BC000658
Gene ID (NCBI):	8614
Full name:	Stanniocalcin 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.