

# Anti-ST18 Antibody

Rabbit polyclonal antibody to ST18

Catalog # AP61298

## Product Information

<b>Application</b>	WB, IF/IC, IHC
<b>Primary Accession</b>	<a href="#">O60284</a>
<b>Other Accession</b>	<a href="#">Q80TY4</a>
<b>Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	115155

## Additional Information

<b>Gene ID</b>	9705
<b>Other Names</b>	KIAA0535; ZNF387; Suppression of tumorigenicity 18 protein; Zinc finger protein 387
<b>Target/Specificity</b>	Recognizes endogenous levels of ST18 protein.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/IC (1/100 - 1/500)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

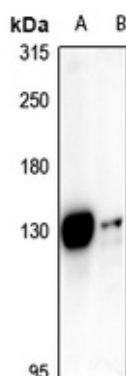
## Protein Information

<b>Name</b>	ST18
<b>Synonyms</b>	KIAA0535, ZNF387
<b>Function</b>	Repressor that binds to DNA sequences containing a bipartite element consisting of a direct repeat of the sequence 5'-AAAGTTT-3' separated by 2-9 nucleotides. Represses basal transcription activity from target promoters (By similarity). Inhibits colony formation in cultured breast cancer cells.
<b>Cellular Location</b>	Nucleus.
<b>Tissue Location</b>	Detected at low levels in heart, liver, kidney, skeletal muscle, pancreas, testis, ovary and prostate. Detected at even lower levels in mammary epithelial cells and breast cancer cells

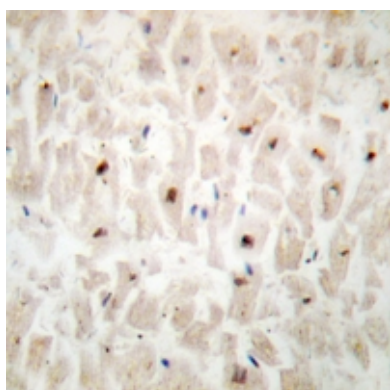
## Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ST18. The exact sequence is proprietary.

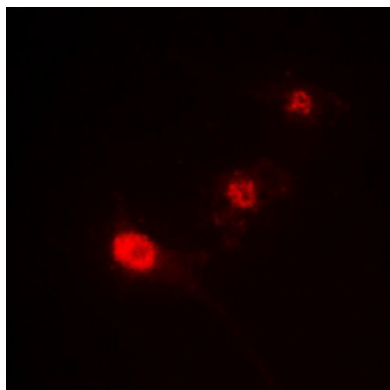
## Images



Western blot analysis of ST18 expression in mouse kidney (A), rat stomach (B) whole cell lysates.



Immunohistochemical analysis of ST18 staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ST18 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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