

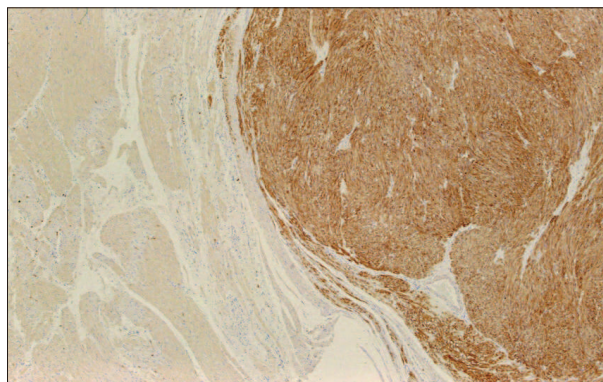


c-Kit proto-oncogene & SCF

- Research Use Only -

The proto-oncogene c-kit encodes a transmembrane tyrosine kinase receptor, and its ligand for c-kit receptor has been identified as the stem cell factor (SCF). Recent experimental studies have shown that c-kit plays a key role in the development of a component of the pacemaker system that is required for generation of autonomic gut motility. These studies further suggest that interaction of the c-kit and SCF is essential for development of enteric nervous system.

Recently, it is reported that the c-kit may be an important marker for gastrointestinal stromal tumors (GISTs) which may originate from the interstitial cells of Cajal (ICCs).



Human Stomach (X10).
Anti- c-Kit (K963) Rabbit IgG (Code. 18101)
(Photo is kindly provided by Dr. Koichi Hirota of Osaka University)

Anti Human c-Kit & SCF Antibodies

◆ Anti-Human c-Kit Antibody

- Synthetic peptides is used as antigen
- c-Kit is express on stem cells or cancer cells
- Can be used for immunohistochemistry and western blotting

◆ Anti-Human SCF Antibodies

- SCF is express on stem cells or various cells
- Sometimes over expression on cancer cells
- Can be used for immunohistochemistry, western blotting and ELISA, which is in combination with HRP- conjugated antibody, Code No. 18305

References

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3. Yamataka A. Abnormal distribution of intestinal pacemaker (C-KIT-positive) cells in an infant with chronic idiopathic intestinal pseudoobstruction. *Journal of Pediatric Surgery.*, 1998; 33 (6), 859 - 862
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Code No.	Name			Volume	Application and comments
18101	Anti-Human	c-Kit (K963)	Rabbit IgG Affinity purify	100 µg	Specific reacts with 145kDa c-Kit Can be applied for immunohistochemistry and WB
18111	Anti-Human	SCF (K089)	Rabbit IgG Affinity purify	100 µg	Human SCF Specific Can be applied for immunohistochemistry and WB
18114	Anti-Human	SCF (K151)	Rabbit IgG Affinity purify	100 µg	Cross reacts with Mouse or Rat SCF Can be applied for WB
18115	Anti-Human	SCF (K165)	Rabbit IgG Affinity purify	100 µg	Can be applied for immunohistochemistry and WB
18116	Anti-Human	SCF (K236)	Rabbit IgG Affinity purify	100 µg	Cross reacts with Mouse SCF. Can be applied for immunohistochemistry and WB

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