



Rabbit Anti-Human KIT (Phospho-Tyr721) polyclonal antibody (CABT-L3770)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Human FHIT (Phospho-Tyr114) polyclonal antibody. This antibody detects endogenous levels of c-Kit only when phosphorylated at Tyr721.
Specificity	Target Modification: Phospho. Modification Sites: Human: Y721; Mouse: Y719; Rat: Y722
Target	Human c-Kit (Phospho-Tyr721)
Immunogen	The antiserum was produced against synthesized peptide derived from human c-Kit around the phosphorylation site of Tyr721. Immunogen range: 688-737
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, ELISA
Molecular Weight	109 kDa
Preparation	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Format	Liquid

Concentration	Lot specific
Size	100 µl
Buffer	Rabbit IgG in PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl and 50% glycerol.
Preservative	0.02% Sodium Azide
Storage	Stable at -20°C for at least 1 year.
Ship	Wet ice

BACKGROUND

Introduction	This gene encodes the human homolog of the proto-oncogene c-kit. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene.
Keywords	KIT;v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog;PBT;SCFR;C-Kit;CD117;mast/stem cell growth factor receptor Kit;p145 c-kit;proto-oncogene c-Kit;piebald trait protein;soluble KIT variant 1;tyrosine-protein kinase Kit;proto-oncogene tyrosine-protein kinase Kit;v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene-like protein;

GENE INFORMATION

Gene Name	KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog [Homo sapiens (human)]
Official Symbol	KIT
Synonyms	SCFR, Proto-oncogene tyrosine-protein kinase Kit, c-kit, CD117 antigen
Entrez Gene ID	3815
UniProt ID	P10721