



Anti-KIT (aa 41-140) polyclonal antibody (DPAB-DC1790)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	KIT (NP_000213, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. The sequence is PGKSDLIVRVGDEIRLLCTDPGFVKWTFEILDETENKQNEWITEKAEATNTGKYTCTNK HGLSNSIYVFVRDPAKLFLVDRSLYGKEDNDTLVRCPLTD
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog [Homo sapiens (human)]
Official Symbol	KIT
Synonyms	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;
Entrez Gene ID	3815
Protein Refseq	NP_000213
UniProt ID	A0A024RDA0
Chromosome Location	4q12
Pathway	Acute myeloid leukemia; C-MYB transcription factor network; Constitutive PI3K/AKT Signaling in Cancer; DAP12 interactions
Function	ATP binding; cytokine binding; metal ion binding; protease binding