

# KIT Antibody (Center Y578)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP18712c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P10721</a>
<b>Other Accession</b>	<a href="#">Q2HWD6</a> , <a href="#">P05532</a> , <a href="#">Q08156</a> , <a href="#">P43481</a> , <a href="#">NP_000213.1</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Bovine, Chicken, Mouse, Pig
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB39726
<b>Antigen Region</b>	556-585

## Additional Information

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<b>Other Names</b>	Mast/stem cell growth factor receptor Kit, SCFR, Piebald trait protein, PBT, Proto-oncogene c-Kit, Tyrosine-protein kinase Kit, p145 c-kit, v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog, CD117, KIT, SCFR
<b>Target/Specificity</b>	This KIT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 556-585 amino acids from the Central region of human KIT.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	KIT Antibody (Center Y578) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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This is the receptor for stem cell factor (mast cell growth factor). It has a tyrosine-protein kinase activity. Binding of the ligands leads to the autophosphorylation of KIT and its association with substrates such as phosphatidylinositol 3-kinase (Pi3K).

## References

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Molderings, G.J., et al. Immunogenetics 62 (11-12), 721-727 (2010) :

Cheng, M., et al. Circ. Res. 107(9):1083-1093(2010)

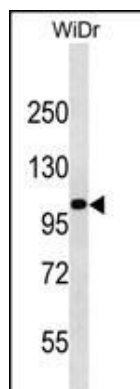
Chi, P., et al. Nature 467(7317):849-853(2010)

Rossi, S., et al. Am. J. Surg. Pathol. 34(10):1480-1491(2010)

Chen, P., et al. World J. Gastroenterol. 16(33):4227-4232(2010)

## Images

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KIT Antibody (Center Y578) (Cat. #AP18712c) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the KIT antibody detected the KIT protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.