

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-c-Kit/CD117



Numéro de catalogue: 18696-1-AP

20 Publications

## Informations de base

Numéro de catalogue:

18696-1-AP

Taille:

150ul, Concentration: 400 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

BC071593

Identification du gène (NCBI):

3815

Nom complet:

v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

MW calculé

110 kDa

MW observés:

140-160 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:4000

IHC 1:50-1:500

IF 1:50-1:500

## Applications

Applications testées:

FC, IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : Mo7e cells,

IHC : tissu stroma tumoral, tissu d'insulinome, tissu placentaire humain, tissu testiculaire humain

IF : cellules MCF-7,

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

KIT, also named as SCFR, c-Kit and CD117, is a transmembrane tyrosine kinase encoded by the c-Kit proto oncogene. It is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). KIT acts to regulate a variety of biological responses including cell proliferation, apoptosis, chemotaxis and adhesion. Ligand(SCF) binding to the extracellular domain leads to autophosphorylation on several tyrosine residues within the cytoplasmic domain, and activation. Phosphorylation at tyrosine 721 of KIT allows binding and activation of PI3 kinase. Loss of expression of KIT appears to be associated with progression of some tumors (melanoma) and autocrine/paracrine stimulation of the kit/SCF system may participate in human solid tumors such as lung, breast, testicular and gynecological malignancies. Mutations in Kit have been found to be important for tumor growth and progression in a variety of cancers including mast cell diseases, gastrointestinal stromal tumor, acute myeloid leukemia, Ewing sarcoma and lung cancer.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Yuelong Jiang	36355485	Pharmaceuticals (Basel)	WB
Xiu-Bo Sang	27748937	Oncol Rep	
Ling Ding	36362141	Int J Mol Sci	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

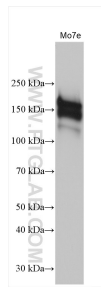
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

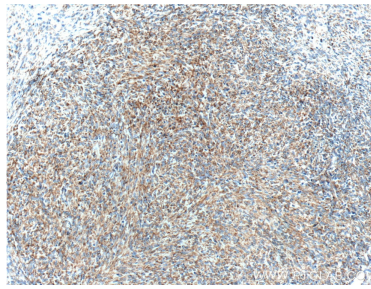
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

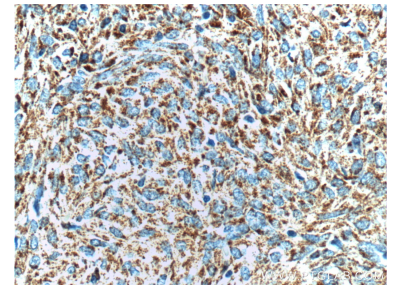
## Données de validation sélectionnées



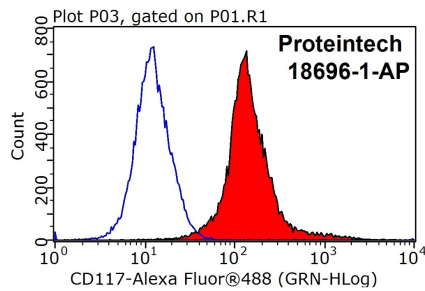
Mo7e cells were subjected to SDS PAGE followed by western blot with 18696-1-AP (c-Kit/CD117 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



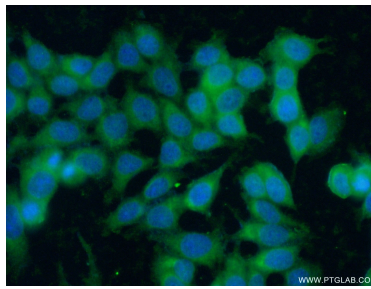
Immunohistochemical analysis of paraffin-embedded stromal tumor tissue slide using 18696-1-AP (c-Kit/CD117 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded stromal tumor tissue slide using 18696-1-AP (c-Kit/CD117 antibody at dilution of 1:200 (under 40x lens).



1X10<sup>6</sup> MCF-7 cells were stained with 0.2ug c-Kit/CD117 antibody (18696-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 18696-1-AP (c-Kit/CD117 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).