

**Rabbit Anti-CD117/c-Kit [EP10]: RM0067, RM0067RTU7**

**Intended Use:** For Research Use Only

**Description:** Member of the Tyrosine Kinase Receptor (TKRs) and highly homologous to receptor PDF and CSF-1. Activation of c-Kit tyrosine kinase by SCF (Stem Cell factor) leads to autophosphorylation and association of c-Kit with substrate PI3K. CD117 is a marker for Mast cell and gastrointestinal stroma tumor. This anti-CD117 has been validated with excellent staining result by NordiQC, an independent scientific organization, promoting the quality of immunohistochemistry for pathology laboratories.

**Specifications:**

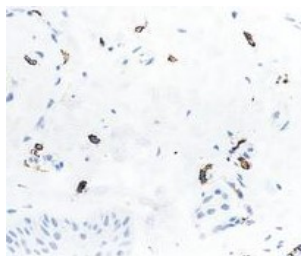
Clone: EP10  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human  
 Localization: Membrane, cytoplasm  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
CD117/c-Kit Concentrated	RM0067	1 ml
CD117/c-Kit Prediluted	RM0067RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Lung adenocarcinoma  
 Concentrated Dilution: 50-200  
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes Using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FPE human skin stained with anti-CD117 using DAB

**References:**

1. Utility of Cluster of Differentiation 5 and Cluster of Differentiation 117 Immunoprofile in Distinguishing Thymic Carcinoma from Pulmonary Squamous Cell Carcinoma: A Study on 1800 Nonsmall Cell Lung Cancer Cases. Vidya Jha, et al. Indian J Med Paediatr Oncol. Oct-Dec; 38(4): 430-433, 2017.
2. Frequency and Markers of Precursor Lesions and Implications for the Pathogenesis of Testicular Germ Cell Tumors. Finn Edlervon Eyben, et al. Clinical Genitourinary Cancer. Volume 16, Issue 1, February, Pages e211-e221, 2018.
3. Primary mesenchymal tumors of the pancreas in a single center over 15 years. Hongkai Zhang, et al. Oncology Letter. September 20, 2016.

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