



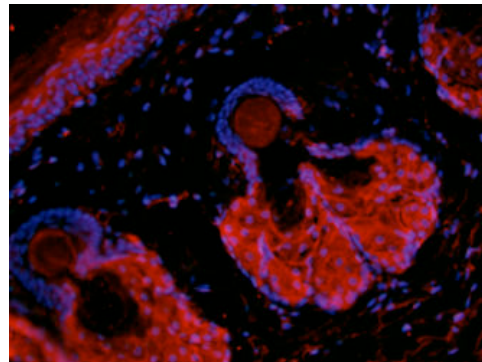
Catalog Number:	RA14132	Host:	Rabbit
Product Type:	Affinity Purified	Species:	Human, Mouse, Rat
Immunogen Sequence:	TASSSQPLL VHDDV	Reactivity:	
		Format:	1.0 mg/ml in PBS containing 0.05% sodium azide
Applications:	Immunohistochemistry: 1:100-1:400 Flow Cytometry* Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	Maintain at +2-8°C for 3 months or at -20°C for longer periods. Stable for 1 year. Avoid repeated freeze-thaw cycles.		
References:	Marit Inngjerdigen, Lise Kveberg and John T. Vaage. A Novel NKR-P1Bbright NK Cell Subset Expresses an Activated CD25+CX3CR1+CD62L-CD11b-CD27- Phenotype and Is Prevalent in Blood, Liver, and Gut-Associated Lymphoid Organs of Rat. The Journal of Immunology February 3, 2012 1003939 Karim Harhour, Abdeldjalil Kebir, Benjamin Guillet, Alexandrine Foucault-Bertaud, Serge Voytenko, Marie-Dominique Piercecchi-Marti, Caroline Berenguer, Edouard Lamy, Frédéric Vely, Pascale Pisano, L'Houcine Ouafik, Florence Sabatier, José Sampol, Nathali Blood, May 2010; 115: 3843 - 3851 Kalam K. Chan ; Danna M. Breen ; Jiwanjeet K. Dhaliwall ; Michael R. Ward ; Nael Al Koudsi ; Loretta Lam ; Melissa De Souza ; Husam Ghanim ; Paresh Dandona ; Duncan Stewart ; Michelle P. Bendeck ; and Adria Giacca. Insulin Increases Reendothelialization a 2009. doi: 10.1161/ATVBAHA.109.185447.		

Application Notes

Description/Data:

c-Kit is transmembrane tyrosine kinase encoded by the c-Kit proto oncogene. c-Kit acts to regulate a variety of biological processes including cell proliferation, apoptosis, chemotaxis and adhesion. It plays a critical role in activation and growth in a number of cell types such as hematopoietic stem cells, mast cells, melanocytes and germ cells. Mutations in c-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. Phosphorylation at tyrosine 721 of c-Kit allows binding and activation of PI3 kinase.

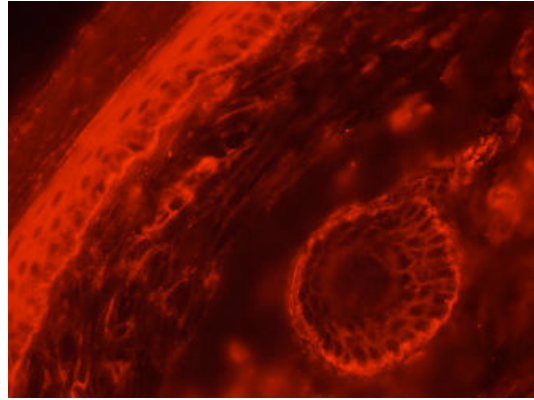
Image: c-KIT staining of rat skin (epidermis). c-KIT detection was done using anti-rabbit Cy3 conjugated antibodies (red color). DAPI was used to counterstain cell nuclei (blue color). Working dilution: 1:100-1:300.



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Image: c-Kit staining of mouse skin.



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