

Mouse Monoclonal Antibody to FAK

Catalogue Number	sAP-0053
Target Molecule	Name: FAK Aliases: FAK; FADK; FAK1; pp125FAK; PTK2 MW: N/A Entrez Gene ID: 5747
Description	Focal adhesion kinase(FAK), with 1074 -amino acid protein(about 118 kDa), is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. FAK is concentrated at the basal edge of only basal keratinocytes that are actively migrating and rapidly proliferating in repairing burn wounds, and is activated and localized to the focal adhesions of spreading keratinocytes in culture. Thus, it has been postulated that FAK may have an important in vivo role in the re-epithelialization of human wounds. FAK protein tyrosine kinase activity has also been shown to increase in cells stimulated to grow by use of mitogenic neuropeptides or neurotransmitters acting through G protein-coupled receptors.
Immunogen	Purified recombinant fragment of FAK expressed in E. Coli.
Recitative Species	Human
Clone	MM4A9D6;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Madeleine Toutant, Jeanne-Marie Studler, et al. Mol. Cell. Biol., Nov 2002; 22: 7731 - 7743. ; 2. Danshan Huang, Anthony T. Cheung, et al. J. Biol. Chem., May 2002; 277: 18151 – 18160. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**