

Mouse Monoclonal Antibody to FAK

Catalogue Number	sAP-0406
Target Molecule	<p>Name: FAK</p> <p>Aliases: FAK; FADK; FAK1; FRNK; pp125FAK; PTK2</p> <p>MW: 119kDa</p> <p>Entrez Gene ID: 5747</p>
Description	This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. At least four transcript variants encoding four different isoforms have been found for this gene, but the full-length natures of only two of them have been determined. Tissue specificity: Expressed in all organs tested, in lymphoid cell lines, but most abundantly in brain.RD: Focal
Immunogen	Purified recombinant fragment of human FAK expressed in E. Coli. ;
Recombinant Species	Human
Clone	MM10H7E9;
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; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Biol Chem. 2009 Aug 21;284(34):22865-77. ; 2. Biochem Biophys Res Commun. 2009 Oct 16;388(2):301-5.

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**