Mouse Monoclonal Antibody to

FAK (phospho-Tyr 397)

clone 2D11

Order No.: **0091-100/FAK-2D11**

Size (µg) 100

Lot No.: 0091S

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02/160307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA	120 kDa	HepG2	phospho-Tyr 397	phosphopeptide conjugated to KLH

Background and Specificity:

Focal adhesion kinase (FAK) is a cytoplasmic tyrosine kinase involved in integrin mediated cell signaling. Activation of FAK leads to autophosphorylation of tyrosine 397 within the kinase activation loop and subsequent phosphorylation of tyrosine residues 407, 576, 577, 861, and 925.

Mab FAK-2D11 specifically recognizes FAK phosphorylated at tyrosine 397.

Related Products

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

Formulation: lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.

Reconstitution: Reconstitute with 1 ml H_2O (15 min, RT).

Stability: For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

Avoid repeated freeze / thaw cycles.

Positive Control: #0811: Cell lysate from untreated HepG2 cells.

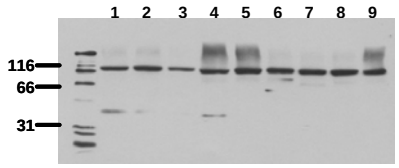
Immunoblotting: 0.5 µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation: ND

Immunocytochemistry: ND

ELISA: use at 0.1 µg/ml

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.



Detection of endogenous FAK
Whole cell lysates of serum starved tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab FAK 2D11 (0.5 µg/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec).
lane 1: HeLa; lane 2: HepG2; lane 3: HEK293; lane 4: SH-SY5Y; lane 5: MDCK; lane 6: PC12; lane 7: CMT 93; lane 8: Neuro 2A; lane 9: 3T3