ERK-PT115

(No. M7-177)

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Summary

176-177 - Monoclonal antibodies to phospho-ERK/Map Kinase
Description: Monoclonal antibodies raised against peptides containing the 11 amino acids, HTGFLTEYVAT, corresponding to the ERK activation loop either Tyr -phosphorylated (ERK-PY193), or Thr-phosphorylated (ERK-PT115).
ERK belongs to the family of mitogen-activated protein kinases (MAPKs) and is an important component in many intracellular signaling events. ERK is phosphorylated and activated by the upstream kinases, MEK1 and MEK2 on regulatory Threonin (Thr) and tyrosine (Tyr) residues, which are localized in the activation loop of ERK.
Reference: Yao Z [1], Dolginov Y [2], Hanoch T [3], Yung Y [4], Ridner G [5], Lando Z [6], Zharhary D [7], Seger R [8]. 2000. Detection of partially phosphorylated forms of ERK by monoclonal antibodies reveals spatial regulation of ERK activity by phosphatases. FEBS Lett. 468(1):37-42.