Product datasheet

Anti-ERK1 (Phospho-T202/Y204)+ERK2 (Phospho-T185/Y187) Antibody (Clone#BIH-13)

Catalog Number: *BM4156*

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Basic Information

Product Name	Anti-ERK1 (Phospho-T202/Y204)+ERK2 (Phospho-T185/Y187) Antibody (Clone#BIH-13)
Gene Name	MAPK1/MAPK3
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Phospho-ERK1 (T202/Y204) + ERK2 (T185/Y187)
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	41 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 ImmunoPrecipitation (IP):1:20

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Laminins are major proteins in the basal lamina (one of the layers of the basement membrane), a protein network foundation for most cells and organs. Laminins form independent networks and are associated with type IV collagen networks via entactin, fibronectin, and perlecan. They are important and biologically active parts of the basal lamina, influencing cell differentiation, migration, and adhesion, as well as phenotype and survival. Laminins are trimeric proteins that contain an α-chain, a β-chain, and a γ-chain, found in five, four, and three genetic variants, respectively. Laminins critically contribute to cell attachment and differentiation, cell shape and movement, maintenance of tissue phenotype, and promotion of tissue survival.

Reference

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Anti-ERK1 (Phospho-T202/Y204)+ERK2 (Phospho-T185/Y187) Antibody (Clone#BIH-13)被引用在27文献中。

Selected Validation Data

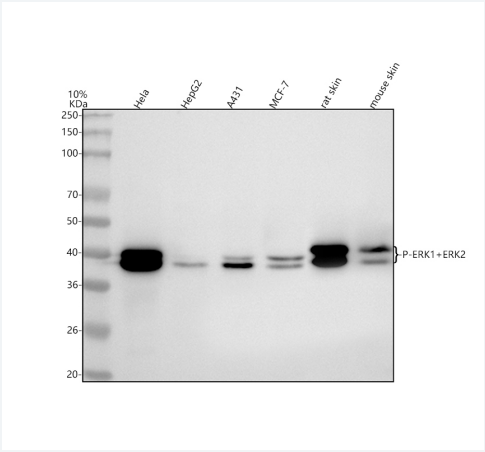

Figure 1. Western blot analysis of anti-ERK1 (Phospho-T202/Y204)+ERK2 (Phospho-T185/Y187) antibody (BM4156). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: human A431 whole cell lysates,
Lane 4: human MCF-7 whole cell lysates,
Lane 5: rat skin tissue lysates,
Lane 6: mouse skin tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ERK1 (Phospho-T202/Y204)+ERK2 (Phospho-T185/Y187) antigen affinity purified monoclonal antibody (BM4156) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ERK1 (Phospho-T202/Y204)+ERK2 (Phospho-T185/Y187) at approximately 39 kDa. The expected band size for ERK1 (Phospho-T202/Y204)+ERK2 (Phospho-T185/Y187) is at 43 kDa.