ERK1/2 (1B4)　monoclonal antibody

Catalog:	MB3293	Host:	Mouse	Reactivity:	Human,Rat,Mouse

BackGround:

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK1/ERK2 and MAPK3/ERK1 are the 2 MAPKs which play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade initiated by activated KIT and KITLG/SCF. Depending on the cellular context, the MAPK/ERK cascade mediates diverse biological functions such as cell growth, adhesion, survival and differentiation through the regulation of transcription, translation, cytoskeletal rearrangements.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

Calculated MW: 44,42 kDa; Observed MW: 44,42 kDa

Swiss-Prot:

P27361/P28482

Purification&Purity:

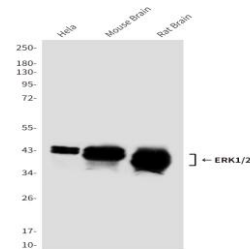Affinity Purified

Applications:

WB: 1/500-1/1000　IHC: 1/50-1/100
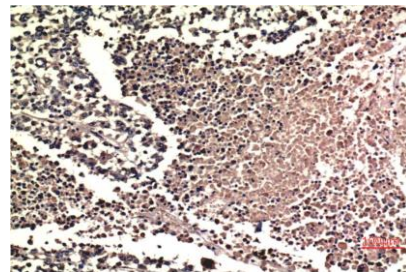
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Isotype:

IgG1

DATA:

Western blot analysis of ERK1/2 in Hela lysates, mouse Brain lysates, rat Brain lysates using ERK1/2 antibody.

Immunohistochemistry analysis of paraffin-embedded Human Lung Carcinoma Tissue using ERK1/2 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma Tissue using ERK1/2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note:

For research use only, not for use in diagnostic procedure.