

Anti-Phospho-ERK1/2 (Thr202/Tyr204)/(Thr185/Tyr187) Rabbit Monoclonal Antibody

Introduction

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 parameters

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|-------------------|--|
| Alternative Names | MAPK1/MAPK3 |
| Gene ID | 5595/5594 |
| Gene Name | MAPK1/MAPK3 |
| SwissProt ID | P27361/P28482 |
| Host | Rabbit |
| Reactivity | Human, Rat |
| Molecular Weight | Calculated MW: 44,42 kDa; Observed MW: 44,42 kDa |
| Conjugation | Unconjugated |
| Ex | - |
| Em | - |
| Modification | Phosphorylated |
| Clonality | IgG |
| Isotype | Monoclonal Antibody |
| Clonality No. | AP-15E1G5 |
| Form | Liquid |
| Concentration | See label |
| Carrier | Carrier Not Free |
| Immunogen | A synthetic phosphopeptide corresponding to residues surrounding Thr202/Tyr204 of human Erk1 |
| Purification | Affinity Purified |
| Buffer System | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA. |
| Application | WB, IP |
| Dilution Ratio | WB: 1/500-1/1000 IP: 1/20 |

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|--------------------|----------------------------------|
| Research Field | Neuroscience |
| Product Categories | Primary antibody |
| Shipping | Blue ice |
| Storage | -20°C |
| Expiration Date | 12 months |
| Note | Please avoid freeze-thaw cycles. |



Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.





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