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Datasheet for ABIN7250725 anti-ERK1/2 antibody (pTyr204)

3 Images



Overview

| Quantity: | 200 μL |
|----------------------|---|
| Target: | ERK1/2 (MAPK1/3) |
| Binding Specificity: | pTyr204 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ERK1/2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF) |

Product Details

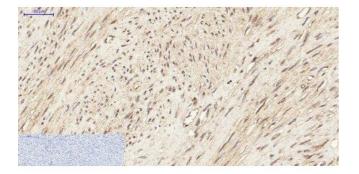
| Immunogen: | Synthesized peptide derived from human ERK 1/2 around the phosphorylation site of Tyr204 |
|-------------------|--|
| Isotype: | IgG |
| Characteristics: | Phosphorylated antibody |
| Purification: | Affinity purification |
| Target Details | |
| Target: | ERK1/2 (MAPK1/3) |
| Alternative Name: | ERK 1/2 (MAPK1/3 Products) |
| Background: | Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in |

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Target Details

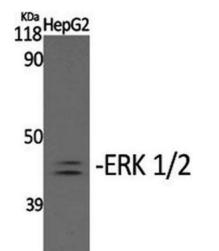
| | differentiated cells by phosphorylating a number of transcription factors such as ELK1. |
|---------------------|--|
| | Phosphorylates EIF4EBP1, required for initiation of translation. Phosphorylates microtubule- |
| | associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock |
| | factor protein 4 (HSF4) and ARHGEF2.Acts as a transcriptional repressor. Binds to a |
| | [GC]AAA[GC] consensus sequence. Repress the expression of interferon gamma-induced |
| | genes. Seems to bind to the promoter of CCL5, DMP1, IFIH1, IFITM1, IRF7, IRF9, LAMP3, OAS1, |
| | OAS2, OAS3 and STAT1. Transcriptional activity is independent of kinase activity. |
| Molecular Weight: | Observed_MW: 44+42 kDa |
| | Calculated_MW: 43 kDa |
| UniProt: | P27361, P28482 |
| Application Details | |
| Application Notes: | WB 1:500-1:2000, IHC 1:100-1:300, IF 1:200-1:1000, ELISA 1:10000 |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4 |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |
| | should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

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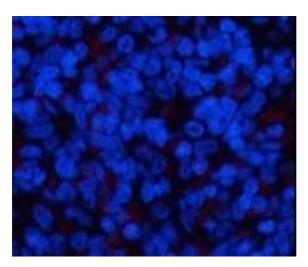
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human uterus tissue with Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody at dilution of 1:200



Western Blotting

Image 2. Western Blot analysis of HepG2 cells with Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody at dilution of 1:2000



Immunofluorescence

Image 3. Immunofluorescence analysis of Rat spleen tissue with Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody at dilution of 1:200

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