Datasheet for ABIN350736

anti-ERK1/2 antibody (pThr202, pTyr204)

4 Images

Go to Product page

Overview

Quantity:	500 µg
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	pThr202, pTyr204
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from the phospho T202 & Y204 of human Erk1, Erk2 conjugated to an immunogenic carrier protein was used as the antigen. The peptide is homologous in many species including rat, mouse, zebra fish, xenopus and chicken.
Isotype:	IgG
Specificity:	Specific for Erk1 and Erk2.
Cross-Reactivity:	Human, Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	Erk1, Erk2 (MAPK1/3 Products)
Background:	FUNCTION: Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. Phosphorylates EIF4EBP1, required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1. Phosphorylates heat shock factor protein 4 (HSF4). CATALYTIC ACTIVITY: ATP + a protein = ADP + a phosphoprotein. COFACTOR: Magnesium. ENZYME REGULATION: Activated by tyrosine phosphorylation in response to insulin and NGF. SUBUNIT: Interacts with MORG1. Binds to HIV-1 Nef. This interaction inhibits its kinase activity. Interacts with HSF4 and NISCH.,Protein Kinases,Mitogen-activated protein kinase 3, Extracellular signal-regulated kinase 1, Insulin-stimulated MAP2 kinase, MAP kinase 1, MAPK 1, p44-ERK1, ERT2, p44-MAPK, Microtubule-associated protein 2 kinase, Mitogen-activated protein kinase 1, Extracellular signal-regulated kinase 2, ERK-2, Mitogen-activated protein kinase 2, MAP kinase 2, MAPK 2, p42-MAPK, ERT1, MAPK1, PRKM1, PRKM2, MAPK3, PRKM3
UniProt:	P27361

Application Details

Application Notes:	IHC, WB. A concentration of 10-50 µg,ml is recommended. The optimal concentration should be determined by the end user. This antibody may also recognise the unphosphorylated form. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months

Images

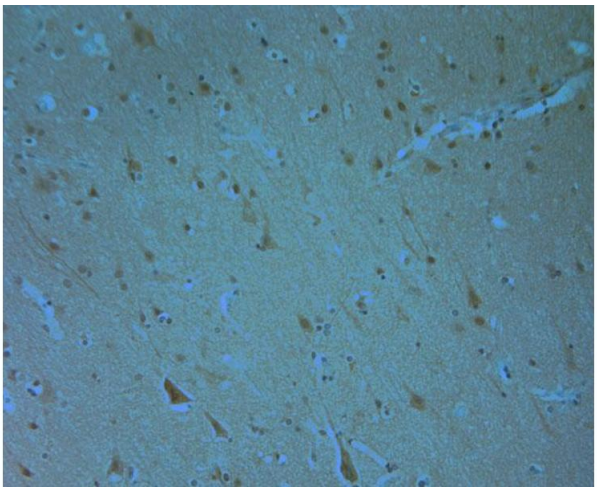

Image 1. human brain-4

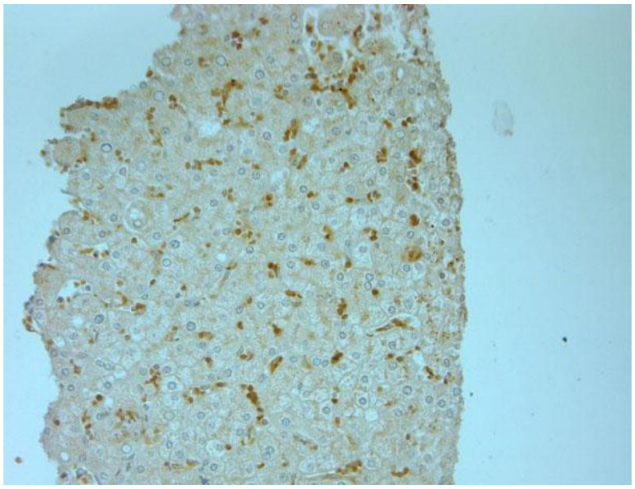

Image 2. human liver-3

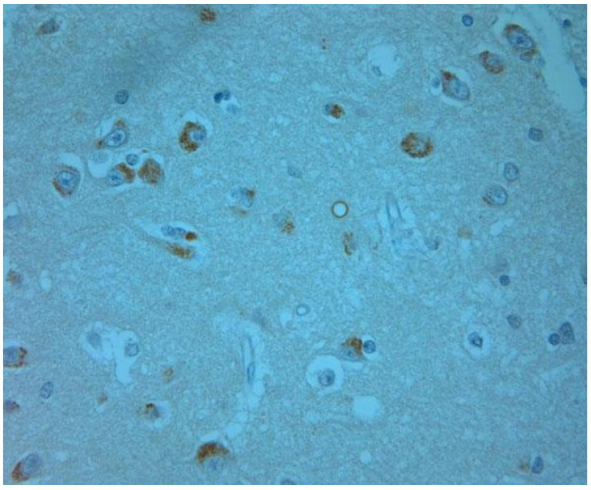

Image 3. human olfactory-1

Please check the product details page for more images. Overall 4 images are available for ABIN350736.