

Datasheet for ABIN7249774

anti-ERK2 antibody

4 Images

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Overview

Quantity:	200 µL
Target:	ERK2 (MAPK1)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein corresponding to Mouse ERK2
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	ERK2 (MAPK1)
Alternative Name:	ERK 2 (MAPK1 Products)
Background:	This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this

Target Details

kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.

UniProt: [P28482](#), [P63085](#), [P63086](#)

Pathways: [MAPK Signaling](#), [RTK Signaling](#), [Apoptosis](#), [Interferon-gamma Pathway](#), [Fc-epsilon Receptor Signaling Pathway](#), [Response to Growth Hormone Stimulus](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Toll-Like Receptors Cascades](#), [Monocarboxylic Acid Catabolic Process](#), [Autophagy](#), [G-protein mediated Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [VEGFR1 Specific Signals](#), [BCR Signaling](#), [S100 Proteins](#)

Application Details

Application Notes: IHC 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 30 µg/mL

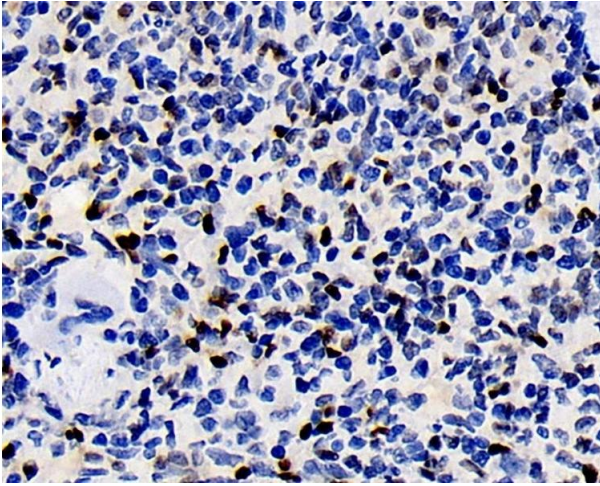
Buffer: PBS with 0.02 % sodium azide, 1 % BSA and 50 % glycerol, pH 7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

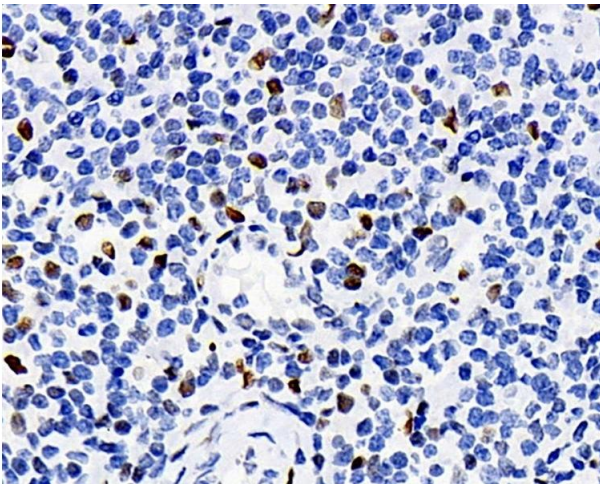
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



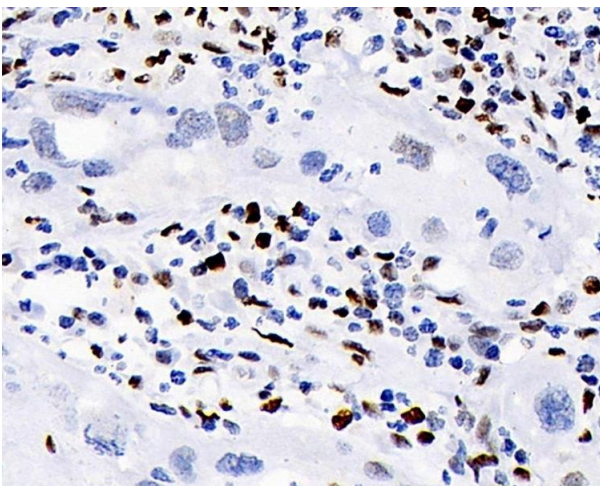
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis of paraffin-embedded rat spleen using ERK 2 Polyclonal Antibody at dilution of 1:100.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis of paraffin-embedded human tonsil using ERK 2 Polyclonal Antibody at dilution of 1:100.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry analysis of paraffin-embedded human lymphoma using ERK 2 Polyclonal Antibody at dilution of 1:100.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7249774.