Datasheet for ABIN2786702

anti-MAPK13 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	MAPK13
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Goat, Guinea Pig, Rabbit, Zebrafish (Danio rerio), Horse, Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK13 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MAPK13
Sequence:	EMLTGKTLFK GKDYLDQLTQ ILKVTGVPGT EFVQKLNDKA AKSYIQSLPQ
Predicted Reactivity:	Cow: 100%, Dog: 93%, Goat: 93%, Guinea Pig: 93%, Horse: 77%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast: 85%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against MAPK13. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MAPK13

Target Details

Alternative Name:	MAPK13 (MAPK13 Products)
Background:	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases 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. This kinase is closely related to p38 MAP kinase, both of which can be activated by proinflammatory cytokines and cellular stress. MAP kinase kinases 3, and 6 can phosphorylate and activate this kinase. Transcription factor ATF2, and microtubule dynamics regulator stathmin have been shown to be the substrates of this kinase. Alias Symbols: MGC99536, PRKM13, SAPK4, p38delta Protein Interaction Partner: MAPK13, MAPT, SMAD4, GPX4, VCP, APP, HTRA2, MBP, UBC, AKIP1, ANKLE2, MAPKAPK5, EEF2K, MAP3K4, MAPKAPK3, MAP2K6, ATF2, MAPK8IP2, FGF12, Protein Size: 365
Molecular Weight:	42 kDa
Gene ID:	5603
NCBI Accession:	NM_002754, NP_002745
UniProt:	Q9N272
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Hepatitis C, BCR Signaling, S100 Proteins

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 365 AA
Restrictions:	For Research Use only

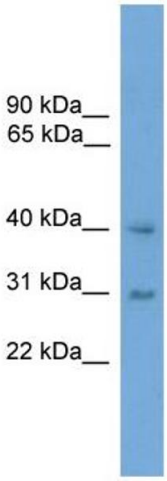
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

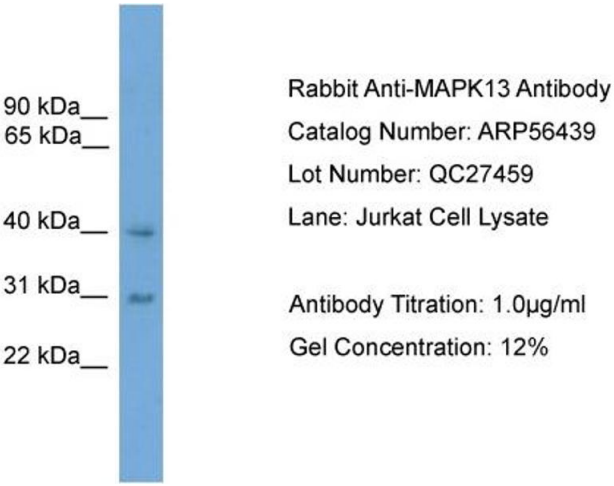


Western Blotting

Image 1. WB Suggested Anti-MAPK13 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate



Western Blotting

Image 2. WB Suggested Anti-MAPK13

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate