

Product datasheet for TA321327

p38 (MAPK14) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: IHC, WB

Recommended Dilution: WB: 1:500-1000, IHC: 1:50-100

Reactivity: Human, Mouse, Rat **Modifications:** Phospho-specific

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Peptide sequence around phosphorylation site of threonine 180 (E-M-T(p)-G-Y) derived from

Human MAPK14.

Formulation: PBS pH7.3, 0.05% NaN3, 50% glycerol

Concentration: lot specific

Purification: Antigen affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 43 kDa

Gene Name: mitogen-activated protein kinase 14

Database Link: NP 001306

Entrez Gene 26416 MouseEntrez Gene 81649 RatEntrez Gene 1432 Human

Q16539

Background: Responds to activation by environmental stress, pro-inflammatory cytokines and

lipopolysaccharide (LPS) by phosphorylating a number of transcription factors, such as ELK1 and ATF2 and several downstream kinases, such as MAPKAPK2 and MAPKAPK5. Plays a critical role in the production of some cytokines, for example IL-6. May play a role in stabilization of EPO mRNA during hypoxic stress. Isoform Mxi2 activation is stimulated by mitogens and oxidative stress and only poorly phosphorylates ELK1 and ATF2. Isoform Exip

may play a role in the early onset of apoptosis.



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



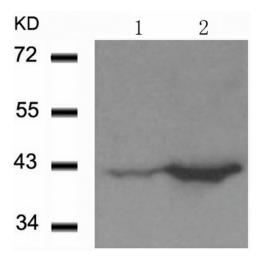
Synonyms: CSBP; CSBP1; CSBP2; CSPB1; EXIP; Mxi2; p38; p38ALPHA; PRKM14; PRKM15; RK; SAPK2A

Protein Families: Druggable Genome, Protein Kinase

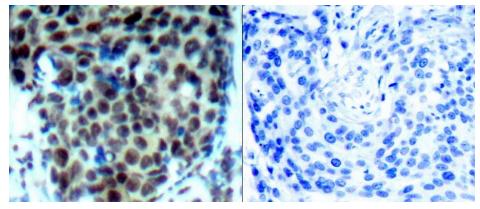
Protein Pathways: Amyotrophic lateral sclerosis (ALS), Epithelial cell signaling in Helicobacter pylori infection, Fc

epsilon RI signaling pathway, GnRH signaling pathway, Leukocyte transendothelial migration, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Progesterone-mediated oocyte maturation, RIG-I-like receptor signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling pathway, VEGF signaling pathway

Product images:



Predicted band size: 43 kDa. Positive control: HT29 cells untreated or treated with UV lysate. Recommended dilution: 1/500-1000. (Gel: 10%SDS-PAGE Lane 1: HT29 cells untreated with UV lysate Lane 2: HT29 cells treated with UV lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Cytoplasm; Nucleus. Positive control: Human breast carcinoma tissue. Recommended dilution: 1/50-100 The image on the left is immunohistochemistry of paraffinembedded human breast carcinoma tissue using MAPK14 (Phospho-Thr180) antibody at dilution 1/50, on the right is treated with the synthetic peptide. (Original magnification:x200)