

## Product datasheet for **TA350389S**

### SAPK3 (MAPK12) Rabbit Polyclonal Antibody

#### Product data:

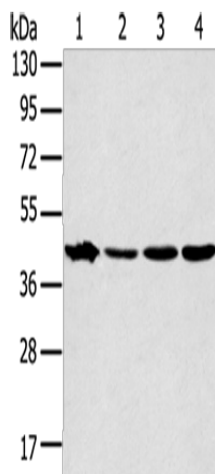
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse muscle tissue and Jurkat cells, K562 and A431 cells IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human MAPK12
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
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:	42 kDa
Gene Name:	mitogen-activated protein kinase 12
Database Link:	<a href="#">NP_002960</a> <a href="#">Entrez Gene 29857 Mouse</a> <a href="#">Entrez Gene 60352 Rat</a> <a href="#">Entrez Gene 6300 Human</a> <a href="#">P53778</a>
Background:	Activation of members of the mitogen-activated protein kinase family is a major mechanism for transduction of extracellular signals. Stress-activated protein kinases are one subclass of MAP kinases. The protein encoded by this gene functions as a signal transducer during differentiation of myoblasts to myotubes.
Synonyms:	ERK-6; ERK3; ERK6; MAPK 12; P38GAMMA; PRKM12; SAPK-3; SAPK3
Protein Families:	Druggable Genome, Protein Kinase



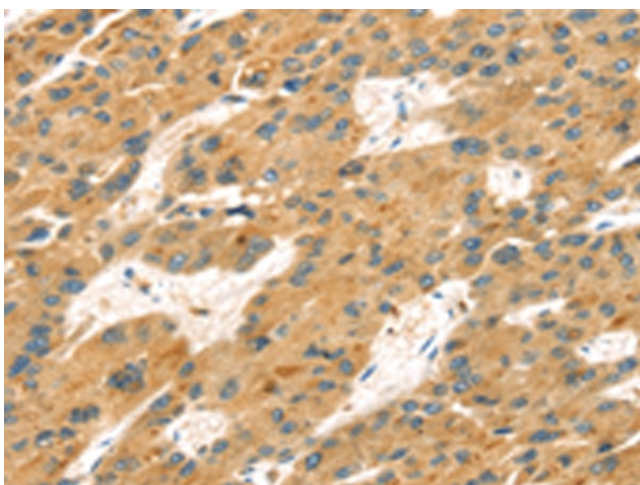
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**Protein Pathways:**

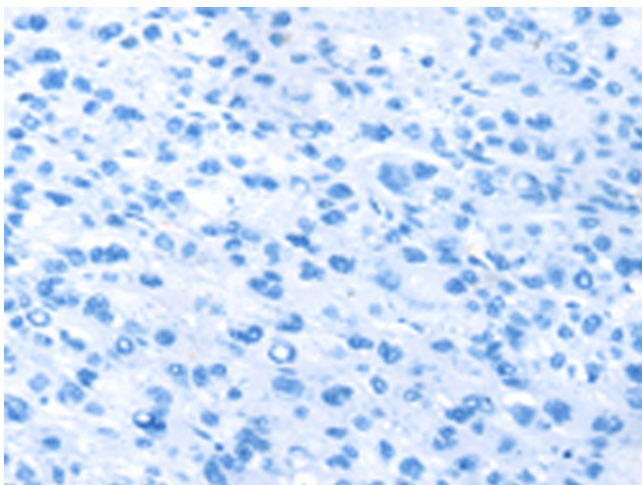
Amyotrophic lateral sclerosis (ALS), Epithelial cell signaling in Helicobacter pylori infection, Fc epsilon RI signaling pathway, GnRH signaling pathway, Leukocyte transendothelial migration, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Oocyte meiosis, 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:**


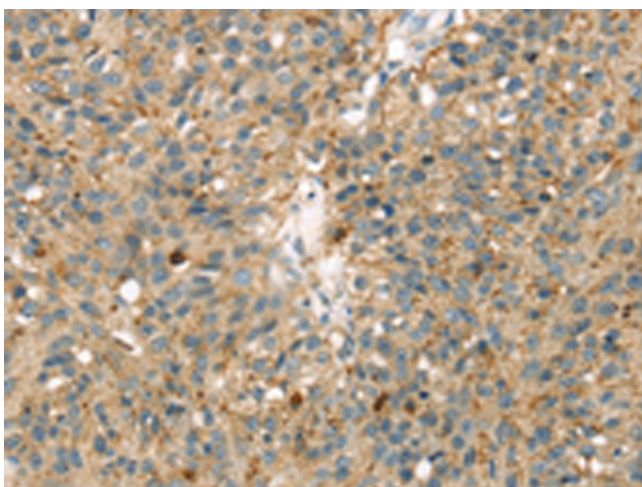
Gel: 8%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-4: Mouse muscle tissue  
 Jurkat cells  
 K562 cells  
 A431 cells  
 Primary antibody: [TA350389] (MAPK12 Antibody)  
 at dilution 1/350  
 Secondary antibody: Goat anti rabbit IgG at  
 1/8000 dilution  
 Exposure time: 30 seconds



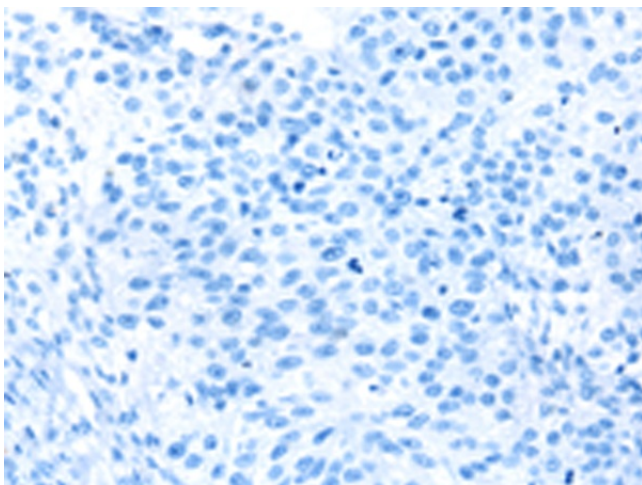
Immunohistochemistry of paraffin-embedded  
 Human liver cancer tissue using [TA350389]  
 (MAPK12 Antibody) at dilution 1/25 (Original  
 magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA350389] (MAPK12 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA350389] (MAPK12 Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA350389] (MAPK12 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )