

Datasheet for ABIN6241072

**anti-Basket antibody (pThr183, pTyr185)****2** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	200 µL
Target:	Basket (BSK)
Binding Specificity:	AA 157-189, pThr183, pTyr185
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Basket antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 157-189 amino acids from human.
Clone:	RB43487
Isotype:	Ig Fraction
Predicted Reactivity:	C, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Basket (BSK)
Alternative Name:	JNK/SAPK ( <a href="#">BSK Products</a> )

## Target Details

Background:	Serine/threonine-protein kinase involved in various processes such as cell proliferation, differentiation, migration, transformation and programmed cell death. Extracellular stimuli such as proinflammatory cytokines or physical stress stimulate the stress-activated protein kinase/c-Jun N-terminal kinase (SAP/JNK) signaling pathway. In this cascade, two dual specificity kinases MAP2K4/MKK4 and MAP2K7/MKK7 phosphorylate and activate MAPK9/JNK2. In turn, MAPK9/JNK2 phosphorylates a number of transcription factors, primarily components of AP-1 such as JUN and ATF2 and thus regulates AP-1 transcriptional activity. In response to oxidative or ribotoxic stresses, inhibits rRNA synthesis by phosphorylating and inactivating the RNA polymerase 1-specific transcription initiation factor RRN3. Promotes stressed cell apoptosis by phosphorylating key regulatory factors including TP53 and YAP1. In T-cells, MAPK8 and MAPK9 are required for polarized differentiation of T-helper cells into Th1 cells. Upon T-cell receptor (TCR) stimulation, is activated by CARMA1, BCL10, MAP2K7 and MAP3K7/TAK1 to regulate JUN protein levels. Plays an important role in the osmotic stress-induced epithelial tight-junctions disruption. When activated, promotes beta-catenin/CTNNB1 degradation and inhibits the canonical Wnt signaling pathway. Participates also in neurite growth in spiral ganglion neurons. Phosphorylates the CLOCK-ARNTL/BMAL1 heterodimer and plays a role in the regulation of the circadian clock (PubMed:< a href="http://www.uniprot.org/citations/22441692" target="_blank">22441692).
Molecular Weight:	48139
UniProt:	<a href="#">P45984</a>

## Application Details

Application Notes:	WB: 1:500. WB: 1:500
Restrictions:	For Research Use only

## Handling

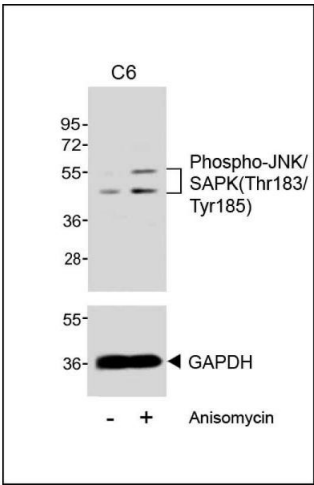
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Expiry Date: 6 months

Publications

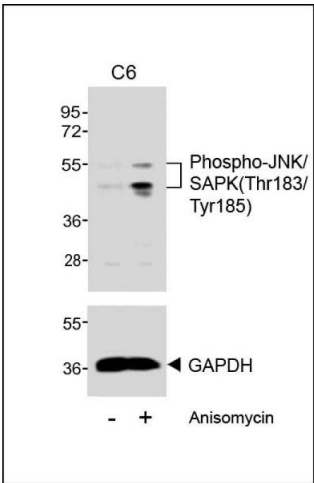
Product cited in: Huang, Zhao, Yu, Yang, Ding: "Protective Effects and Mechanism of Meretrix meretrix Oligopeptides against Nonalcoholic Fatty Liver Disease." in: **Marine drugs**, Vol. 15, Issue 2, (2017) ([PubMed](#)).

Images



Western Blotting

**Image 1.** Western blot analysis of extracts from C6 cells, untreated or treated with anisomycin (25 µg/mL), using Phospho-JNK/SK(Thr183/Tyr185) (upper) or GDH (lower).



Western Blotting

**Image 2.** Western blot analysis of extracts from C6 cells, untreated or treated with anisomycin (25 µg/mL), using Phospho-JNK/SK(Thr183/Tyr185) (upper) or GDH (lower).