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Datasheet for ABIN7453487  
**anti-MAPKAP1 antibody (C-Term)**

## Overview

Quantity:	100 µg
Target:	MAPKAP1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPKAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

## Product Details

Purpose:	Rabbit anti-Sin1 Antibody, Affinity Purified
Immunogen:	between AA 470 and C-term
Isotype:	IgG
Predicted Reactivity:	Mouse,Rat,Chicken,Sheep,Bovine,Orangutan
Purification:	Affinity Purified

## Target Details

Target:	MAPKAP1
Alternative Name:	Sin1 ( <a href="#">MAPKAP1 Products</a> )

## Target Details

Background:	Background: Stress-activated map kinase-interacting protein 1 (Sin1) is highly similar to the yeast stress- activated protein kinase SIN1. Sin1 is an essential mTORC2 subunit that is required to act as the PDK2 that phosphorylates Akt/PKB at Ser 473. Sin1 has been implicated as a scaffolding protein. Sin1 is required for rictor binding in the mTORC2 complex. Sin1 has also been shown to be important to the SAPK (stress-activated kinase) signaling pathway and in the nucleus may act as a scaffold between ATF-2 and p38 to facilitate p38-induced phosphorylation of ATF-2. Sin1 is also found to form a complex with c-Jun N-terminal kinase (JNK) and may similarly function as a scaffolding protein in JNK signaling.
Gene ID:	79109
NCBI Accession:	<a href="#">NP_001006618</a>
UniProt:	<a href="#">Q9BPZ7</a>
Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">CXCR4-mediated Signaling Events</a>

## Application Details

Application Notes:	IHC: 1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. IP: 2 - 5 µg/mg lysate WB: 1:2,000 - 1:10,000
Restrictions:	For Research Use only

## Handling

Concentration:	1000 µg/mL
Buffer:	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % 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
Expiry Date:	12 months