

Datasheet for ABIN392861  
**anti-DUSP4 antibody (C-Term)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	DUSP4
Binding Specificity:	AA 331-361, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This DUSP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 331-361 amino acids from the C-terminal region of human DUSP4.
Clone:	RB05733
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	DUSP4
Alternative Name:	DUSP4 ( <a href="#">DUSP4 Products</a> )

## Target Details

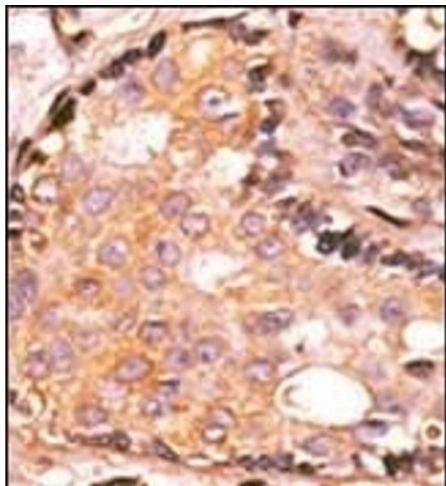
Background:	DUSP4 is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. DUSP4 inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus.
Molecular Weight:	42953
Gene ID:	1846
NCBI Accession:	<a href="#">NP_001385</a> , <a href="#">NP_476499</a>
UniProt:	<a href="#">Q13115</a>
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

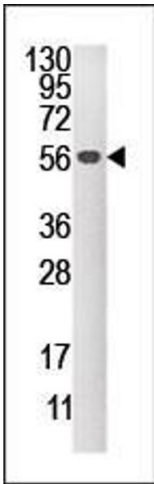
## Handling

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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



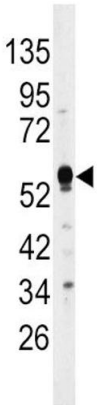
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



**Western Blotting**

**Image 2.** Western blot analysis of anti-DUSP4 Pab (ABIN392861 and ABIN2842278) in mouse brain tissue lysate (35 µg/lane). DUSP4(arrow) was detected using the purified Pab.



**Western Blotting**

**Image 3.** Western blot analysis of anti-DUSP4 Antibody (C-term) (ABIN392861 and ABIN2842278) in HepG2 cell line lysates (35 µg/lane). DUSP4 (arrow) was detected using the purified Pab.