

[Go to Product page](#)

## Datasheet for ABIN7452603 **anti-DUSP12 antibody (AA 1-50)**

### Overview

Quantity:	100 µg
Target:	DUSP12
Binding Specificity:	AA 1-50
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

### Product Details

Purpose:	Rabbit anti-DUSP12 Antibody, Affinity Purified
Immunogen:	Between AA 1 and 50
Isotype:	IgG
Purification:	Affinity Purified

### Target Details

Target:	DUSP12
Alternative Name:	DUSP12 ( <a href="#">DUSP12 Products</a> )
Background:	Background: Dual specificity protein phosphatase 12 (DUSP12) is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases

## Target Details

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 is 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. DUSP12 is the human ortholog of the *Saccharomyces cerevisiae* YVH1 protein tyrosine phosphatase. It is localized predominantly in the nucleus, and is novel in that it contains, and is regulated by a zinc finger domain [taken from NCBI Entrez Gene (Gene ID: 11266)].

Gene ID: 11266

UniProt: [Q9UNI6](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: IP: 20 µL/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