

Datasheet for ABIN7255902

anti-Dual Specificity Phosphatase 3 (DUSP3) antibody[Go to Product page](#)**1** Image

Overview

Quantity:	200 µL
Target:	Dual Specificity Phosphatase 3 (DUSP3)
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein of human DUSP3 (NP_004081.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	Dual Specificity Phosphatase 3 (DUSP3)
Alternative Name:	DUSP3 (DUSP3 Products)
Target Type:	Viral Protein
Background:	The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the

Target Details

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. This gene maps in a region that contains the BRCA1 locus which confers susceptibility to breast and ovarian cancer. Although DUSP3 is expressed in both breast and ovarian tissues, mutation screening in breast cancer pedigrees and in sporadic tumors was negative, leading to the conclusion that this gene is not BRCA1.

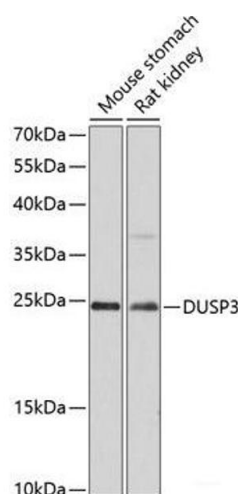
Molecular Weight:	Observed_MW: 20 kDa Calculated_MW: 16 kDa/20 kDa
Gene ID:	1845
UniProt:	P51452
Pathways:	Neurotrophin Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	WB 1:500-1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines using DUSP3 Polyclonal Antibody at dilution of 1:3000.