

Datasheet for ABIN2788979

anti-DUSP9 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	DUSP9
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Horse, Cow, Guinea Pig, Dog, Rabbit, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	SSMAPVPGPV PVVGLGSLCL GSDCSDAESE ADRDSMSCGL DSEGATPPPV
Predicted Reactivity:	Cow: 79%, Dog: 93%, Guinea Pig: 85%, Horse: 93%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 100%, Yeast: 85%
Characteristics:	This is a rabbit polyclonal antibody against DUSP9. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	DUSP9
Alternative Name:	DUSP9 (DUSP9 Products)
Background:	The protein encoded by this gene is a member of the dual specificity protein phosphatase

Target Details

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 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. This gene product shows selectivity for members of the ERK family of MAP kinases, is expressed only in placenta, kidney, and fetal liver, and is localized to the cytoplasm and nucleus.

Alias Symbols: MKP-4, MKP4

Protein Interaction Partner: FAM96B, MAPK11, MAPK14, MMS19, UBC, GSK3B, CDK4, VCP, MAPK3, MAPK1,

Protein Size: 384

Molecular Weight: 42 kDa

Gene ID: 1852

NCBI Accession: [NM_001395](#), [NP_001386](#)

UniProt: [Q99956](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 384 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

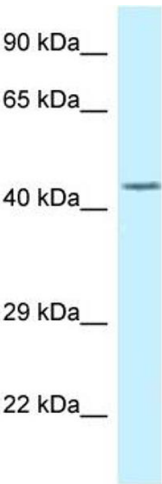
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-DUSP9 Antibody Titration: 1.0 ug/ml Positive Control: Fetal Brain