

Human/Mouse/Rat p38γ Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG Catalog Number: AF1347

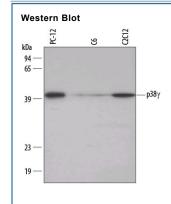
DESCRIPTION		
Species Reactivity	Human/Mouse/Rat	
Specificity	Detects human, mouse, and rat p38γ in Western blots. The antibody is highly specific for p38γ and in Western blots, shows extremely weak cross-reactivity with recombinant p38α, p38β, or p38δ after prolonged exposure to film.	
Source	Polyclonal Rabbit IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human p38γ Accession # P53778	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.	

APPLICATIONS

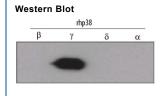
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.2 μg/mL	See Below
Immunohistochemistry	5-15 μg/mL	Immersion fixed paraffin-embedded sections of human breast, human skin cancer tissue, and mouse skeletal muscle

DATA



Detection of Mouse/Rat p38y by Western Blot. Western blot shows lysates of PC-12 rat adrenal pheochromocytoma cell line, C6 rat glioma cell line, and C2C12 mouse myoblast cell line. PVDF membrane was probed with 0.2 µg/mL Rabbit Anti-Human/Mouse/Rat p38y Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1347) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band for p38y was detected at approximately 40 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer



Detection of human p38y by Western Blot. Western blot shows recombinant human p38 β , p38 γ , p38 δ and p38 α (1 ng/lane). PVDF membrane was probed with 0.2 µg/mL Rabbit Anti-Human/Mouse/Rat p38y Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1347) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog #HAF008). A specific band for p38 γ was detected at approximately 40 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer

PREPARATION AND STORAGE

FREF ARATION AND STORAGE		
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	
	 12 months from date of receipt, -20 to -70 °C as supplied. 	
	 1 month, 2 to 8 °C under sterile conditions after reconstitution. 	

- 6 months. -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

p38 mitogen-activated protein kinase (MAPK)gamma, also known as p38y, MAPK12, SAPK3 and ERK6 is a serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays a role in myoblast differentiation and also in the down-regulation of cyclin D1 in response to hypoxia in adrenal cells.

