

Datasheet for ABIN203805
anti-GDF2 antibody (AA 320-429)



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Overview

Quantity:	100 µg
Target:	GDF2
Binding Specificity:	AA 320-429
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GDF2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Neutralization (Neut), Functional Studies (Func)

Product Details

Immunogen:	Recombinant protein corresponding to aa320-429 from human BMP-9, expressed in E.coli (UniProt# Q9UK05).
	Type of Immunogen: Recombinant protein
Clone:	360107
Isotype:	IgG2b
Specificity:	Recognizes human Bone Morphogenetic Protein 9. Does not cross react with recombinant human BMP-1, -1.1, -2, -3, -3b, -4, -5, -6, -7, -8 or -10. In direct ELISAs, ~80 % cross-reactivity with recombinant mouse BMP-9 and 10 % cross-reactivity with recombinant mouse BMP-10 is observed.
Purification:	Affinity purified

Product Details

Sterility: 0.2 µm filtered

Target Details

Target: GDF2

Alternative Name: GDF2 / BMP9 ([GDF2 Products](#))

Background: Name/Gene ID: GDF2
Family: TGF beta

Synonyms: GDF2, BMP-9, BMP9, GDF-2, Bone morphogenetic protein 9

Gene ID: 2658

UniProt: [Q9UK05](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Approved: ELISA (0.5 - 1 µg/mL), Func, Neut, WB (1 - 2 µg/mL)

Usage: Suitable for use in Western Blot, ELISA and Neutralization. Western Blot: 1-2 µg/mL, The detection limit is ~5 ng/lane under non-reducing conditions. Direct ELISA: 0.5-1.0 µg/mL, The detection limit is ~5 ng/well. Neutralization of human BMP-9 bioactivity: The ND50 is defined as the concentration of antibody required to yield one-half maximal inhibition of the cytokine activity on a responsive cell line, when the cytokine is present at a concentration just high enough to elicit maximum response. The ND50 of this lot is ~0.01-0.04 µg/mL in the presence of 2 ng/mL rhBMP-9 using ATDC5 chondrogenic cells.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Sterile PBS

Concentration: Lot specific

Buffer: Lyophilized from a 0.2 um filtered solution in PBS, 5 % trehalose.

Handling

Handling Advice:	Avoid frequent freeze thaws. Store undiluted.
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Storage:	-20 °C,-80 °C
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Storage Comment:	Store at -20°C to -70°C. Stable for 1 year from date of receipt.
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