Datasheet for ABIN114066

anti-GDF2 antibody (AA 87-98)

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Overview

Quantity:	1 mL
Target:	GDF2
Binding Specificity:	AA 87-98
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDF2 antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide corresponding to the amino acids 87 - 98 of the native molecule conjugated to keyhole limpet haemocyanin.
Sequence:	CKDDMGVPTL KYH
Specificity:	This antibody detects BMP-9.
Purification:	Affinity chromatography on Protein G

Target Details

Target:	GDF2
Alternative Name:	BMP9 (GDF2 Products)
Background:	BMP9 is a member of the TGF-beta superfamily. BMPs act through binding with a receptor

Target Details

	complex consisting of type I and type II serine/threonine kinases, resulting ultimately in the activation of the Smad protein and mitogen-activated protein kinase (MAPK) signaling pathways. Several antagonist proteins, including, noggin, chordin, gremlin and follistatin, are responsible for modulating the signaling effects of BMPs, through the binding and blocking of receptor ligands, thereby preventing activation.Synonyms: GDF-2, GDF2, Growth/differentiation factor 2
Gene ID:	2658
NCBI Accession:	NP_057288
UniProt:	Q9UK05
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	5.0 mg/mL
Buffer:	Phosphate buffered saline, pH 7.2, containing 0.09 % Sodium Azide (NaN3)
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 Advice:	Avoid repeated freezing and thawing. Dilute only prior to immediate use
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody (undiluted) at 2-8 °C for one month or (in aliquots) at -20 °C for longer.