

Datasheet for ABIN2782813
anti-BMP10 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	BMP10
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Horse, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Rat
Sequence:	KFATDRTSMP SANIIRSFKN EDLFSQPVSF NGIRKYPLL NVSIPHHEEV
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against Bmp10. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	BMP10
Alternative Name:	Bmp10 (BMP10 Products)

Target Details

Background:	<p>Bmp10 is required for maintaining the proliferative activity of embryonic cardiomyocytes by preventing premature activation of the negative cell cycle regulator CDKN1C/p57KIP and maintaining the required expression levels of cardiogenic factors such as MEF2C and NKX2-5. Bmp10 acts as a ligand for ACVRL1/ALK1, BMPR1A/ALK3 and BMPR1B/ALK6, leading to activation of SMAD1, SMAD5 and SMAD8 transcription factors. Bmp10 inhibits endothelial cell migration and growth.</p> <p>Alias Symbols: Bmp10</p> <p>Protein Size: 421</p>
Molecular Weight:	48 kDa
Gene ID:	500245
NCBI Accession:	NM_001031824 , NP_001026994
UniProt:	Q4AEG6
Pathways:	Hormone Activity , Regulation of Muscle Cell Differentiation

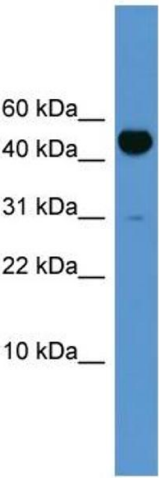
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 421 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 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.



Western Blotting

Image 1. WB Suggested Anti-Bmp10 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Rat Brain