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GDF8 Rabbit pAb

Catalog # AP99386

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O14793
Other Accession	O14793
Reactivity	Rat, Mouse
Predicted	Pig, Human, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42750
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GDF8
Epitope Specificity	281-350/375
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TGF-beta family.
SUBUNIT	Homodimer; disulfide-linked.
DISEASE	Defects in MSTN are the cause of muscle hypertrophy (MSLHP) [MIM:614160]. MSLHP is a condition characterized by increased muscle bulk and strength. Affected individuals are exceptionally strong.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Myostatin (GDF8)is expressed uniquely in human skeletal muscle as a 12 kDa mature glycoprotein consisting of 113 amino acid residues and secreted into plasma. Myostatin is a member of the transforming growth factor beta superfamily of secreted growth and differentiation factors that is essential for proper regulation of skeletal muscle mass. Studies have shown that myostatin could play an important role in cardiac development and physiology.

Additional Information

Gene ID	2660
Other Names	GDF8; MSLHP; Cmpt; GDF8_HUMAN; MSTN; GDF-8; Myostatin; GDF8_MOUSE; growth differentiation factor 8
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MSTN
Synonyms	GDF8
Function	Acts specifically as a negative regulator of skeletal muscle growth.
Cellular Location	Secreted {ECO:0000250|UniProtKB:O08689}.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.