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Etv5 Rabbit pAb

Catalog # AP97597

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P41161
Other Accession	P41161
Reactivity	Mouse
Predicted	Rat, Pig, Human, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57838
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ERM/Etv5
Epitope Specificity	301-385/510
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 ETS family.Contains 1 ETS DNA-binding domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Rad and Gem related GTP binding protein (REM) is a member of the RGK subfamily of Ras-like GTPases that also includes Rad, REM2 and Gem/Kir. REM is a phosphorylated protein that is highly expressed in cardiac muscle and moderately expressed in lung, kidney and skeletal muscle. REM associates with several 14-3-3 isoforms as well as with calmodulin in a calcium-dependent manner. REM mediates two distinct signal transduction pathways that regulate both cytoskeletal reorganization and voltage-gated calcium channel activity. REM decreases the current that passes through cardiac voltage-gated L-type Ca channels (Ca(V)). Overexpression of REM may result in the development of cytoplasmic processes, reorganization of the Actin cytoskeleton, reduction in focal adhesion size and an elongated or dendritic-like cell morphology.

Additional Information

Gene ID	2119
Other Names	ERM; 1110005E01Rik; 8430401F14Rik; ETV5_HUMAN; ETV5; Ets-related protein ERM; ETV5_MOUSE; ETS variant transcription factor 5; ets variant gene 5 (ets-related molecule); ETS variant 5; ets-related molecule
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	ETV5
Synonyms	ERM
Function	Binds to DNA sequences containing the consensus nucleotide core sequence 5'-GGAA.-3'.
Cellular Location	Nucleus.
Tissue Location	Ubiquitous.

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