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FAM101A Rabbit pAb

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Catalog # AP58929

Product Information

Primary Accession	Q6ZTI6
Predicted	Rat, Pig, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23610
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM101A
Epitope Specificity	111-216/216
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12 including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan syndrome, which includes heart and facial developmental defects among the primary symptoms, is caused by a mutant form of PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, and the natural killer complex gene cluster encoding C-type lectin proteins which mediate the NK cell response to MHC I interaction. Trisomy 12p leads to facial development defects, seizure disorders and a host of other symptoms varying in severity depending on the extent of mosaicism and is most severe in cases of complete trisomy. The FAM101A gene product has been provisionally designated FAM101A pending further characterization.

Additional Information

Gene ID	144347
Other Names	Refilin-A, Regulator of filamin protein A, RefilinA, RFLNA (HGNC:27051), FAM101A
Dilution	ELISA=1:5000-10000
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	RFLNA (HGNC:27051)
Synonyms	FAM101A
Function	Involved in the regulation of the perinuclear actin network and nuclear shape through interaction with filamins. Plays an essential role in actin cytoskeleton formation in developing cartilaginous cells.
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q7TS73}. Note=Colocalizes with FLNA along actin bundle-like structures. {ECO:0000250|UniProtKB:Q7TS73}

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