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ANKRD54 Rabbit pAb

Catalog # AP97404

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6NXT1
Other Accession	Q6NXT1
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32505
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ANKRD54
Epitope Specificity	181-280/300
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Contains 8 ANK repeats. Contains 1 EF-hand domain.
SUBUNIT	Interacts (via ankyrin repeat region) with LYN (via SH3-domain) in an activation-independent status of LYN (By similarity). Forms a multiprotein complex with LYN and HCLS1. Interacts with TSN2, VAV1, DBNL AND LASP1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ANKRD5 is a 776 amino acid protein that contains one calcium-binding EF-hand domain and 8 ankyrin repeats. The gene encoding ANKRD5 maps to chromosome 20. Comprising approximately 2% of the human genome, chromosome 20 contains nearly 63 million bases that encode over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome. Additionally, chromosome 20 contains a region with numerous genes which are thought important for seminal production and may be potential targets for male contraception.

Additional Information

Gene ID	129138
Other Names	LIAR; C730048E16Rik; EST1068184; EST475269; RGD1309552; ANR54_HUMAN; ANKRD54; Lyn-interacting ankyrin repeat protein; ANR54_MOUSE; ANR54_RAT; ankyrin repeat domain 54
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	ANKRD54
Synonyms	LIAR
Function	Plays an important role in regulating intracellular signaling events associated with erythroid terminal differentiation.
Cellular Location	Nucleus. Cytoplasm. Midbody. Note=Shuttles between nucleus and cytoplasm during the cell cycle. EPO stimulation induces nuclear accumulation (By similarity).

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