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LRRC34 Rabbit pAb

Catalog # AP97781

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IZ02
Other Accession	Q8IZ02
Reactivity	Mouse
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51277
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LRRC34
Epitope Specificity	251-350/419
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 2 LRR (leucine-rich) repeats.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	LRRC34 is a 419 amino acid protein that contains 2 LRR repeats. The gene encoding LRRC34 maps to chromosome 3, which encodes over 1,100 genes. Particular regions of the chromosome 3 short arm are deleted in many types of cancer cells. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth Disease are a few of the numerous genetic diseases associated with chromosome 3.

Additional Information

Gene ID	151827
Other Names	1700007J06Rik; SPATA34; LRC34_HUMAN; LRRC34; LRC34_MOUSE; leucine rich repeat containing 34
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	LRRC34

Function	Highly expressed in stem cells where it may be involved in regulation of pluripotency. In embryonic stem cells (ESCs), important for normal expression of the pluripotency regulators POU5F1/OCT4 and KLF4. Also important for expression of the ectodermal marker gene NES and the endodermal marker gene GATA4. Promotes stem cell proliferation in vitro.
Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q9DAM1}. Nucleus, nucleolus {ECO:0000250|UniProtKB:Q9DAM1}. Cytoplasm {ECO:0000250|UniProtKB:Q9DAM1}. Note=As stem cells differentiate, translocates from the nucleolus to the nucleus and then to the cytoplasm. Colocalizes with NPM1 and NCL in the nucleolus {ECO:0000250|UniProtKB:Q9DAM1}

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