

LRRC59 Rabbit pAb

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Catalog # AP58976

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96AG4
Reactivity	Rat, Mouse
Predicted	Dog, Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34930
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LRRC59
Epitope Specificity	21-120/307
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Microsome membrane; Single-pass type II membrane protein (By similarity). Endoplasmic reticulum membrane; Single-pass type II membrane protein. Nucleus envelope. Note=Localization in the nuclear envelope depends upon the nuclear import machinery, including KPNB1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	LRRC59 (leucine rich repeat containing 59), also known as PRO1855, is a 307 amino acid protein that contains leucine-rich repeats and may play a role in protein binding events throughout the cell. The gene encoding LRRC59 maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

Additional Information

Gene ID	55379
Other Names	Leucine-rich repeat-containing protein 59, Ribosome-binding protein p34, p34, Leucine-rich repeat-containing protein 59, N-terminally processed, LRRC59

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.

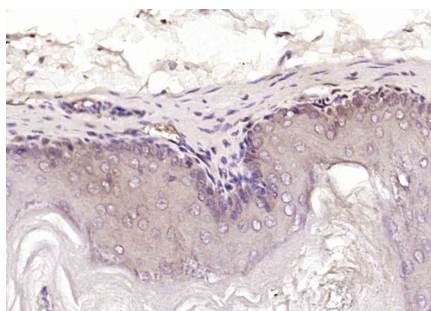
Protein Information

Name	LRRC59
Function	Required for nuclear import of FGF1, but not that of FGF2. Might regulate nuclear import of exogenous FGF1 by facilitating interaction with the nuclear import machinery and by transporting cytosolic FGF1 to, and possibly through, the nuclear pores.
Cellular Location	Microsome membrane; Single-pass type II membrane protein. Endoplasmic reticulum membrane; Single-pass type II membrane protein. Nucleus envelope Note=Localization in the nuclear envelope depends upon the nuclear import machinery, including KPNB1
Tissue Location	Widely expressed..

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Images



Paraformaldehyde-fixed, paraffin embedded (mouse stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LRRC59) Polyclonal Antibody, Unconjugated (AP58976) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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