

LRRC15 Rabbit mAb

Catalog # AP75682

Product Information

Application	WB
Primary Accession	Q8TF66
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	64366

Additional Information

Gene ID	131578
Other Names	LRRC15
Dilution	WB~~1:1000-1:5000
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

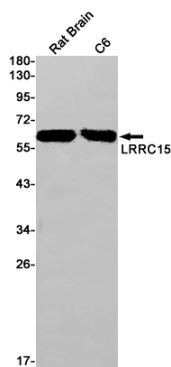
Protein Information

Name	LRRC15
Synonyms	LIB
Function	(Microbial infection) Modulates the ability of SARS-CoV-2 to infect host cells through interaction with the spike protein (PubMed: 36228039 , PubMed: 36735681 , PubMed: 36757924). Does not act as a SARS-CoV-2 entry receptor but sequesters virions and antagonizes in trans SARS-CoV-2 infection of ACE2(+) cells when expressed on nearby cells (PubMed: 36228039 , PubMed: 36757924).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in brain and placenta (PubMed:11785964). Expressed in lung fibroblasts (PubMed:36228039, PubMed:36757924) Expressed in chodrocytes (PubMed:34702854)

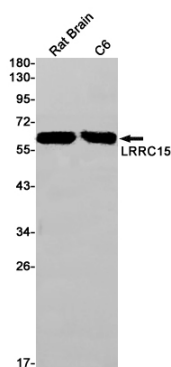
Background

The chimeric protein binds in vitro and in vivo to a specific element upstream of LRRC15, leading to dramatic transcriptional activation. LRRC15 encodes a leucine-rich transmembrane protein, present at the leading edge of migrating cells, the expression of which in normal tissues is restricted to the invasive cytotrophoblast layer of the placenta; small interfering (siRNA)-mediated suppression of LRRC15 expression in breast cancer cells leads to abrogation of invasiveness in vitro.

Images



Western blot analysis of LRRC15 in rat Brain, C6 lysates using LRRC15 antibody.



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