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LRRC58 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15879

Product Information

Application	WB
Primary Accession	Q96CX6
Other Accession	NP_001093148
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40586

Additional Information

Gene ID	116064
Alias Symbol	LRRC58,
Other Names	Leucine-rich repeat-containing protein 58, LRRC58
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-LRRC58 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	LRRC58 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

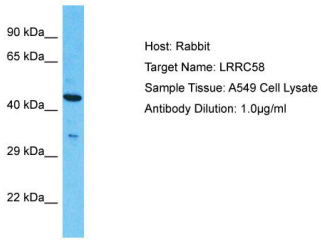
Protein Information

Name	LRRC58 {ECO:0000303|PubMed:40963025, ECO:0000312|HGNC:HGNC:26968}
Function	Substrate-recognition component of a cullin-5-RING E3 ubiquitin-protein ligase complex (ECS complex, also named CRL5 complex), which mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as CDO1 (PubMed:40963025). The ECS(LRRC58) complex acts as a regulator of cysteine catabolism by mediating ubiquitination and degradation of CDO1, the rate-limiting enzyme of the cysteine catabolic process to taurine (PubMed:40963025). L-cysteine abundance regulates ECS(LRRC58)-mediated ubiquitination of CDO1: the complex promotes ubiquitination and degradation of CDO1 in presence of high level of cysteine, but not when cysteine abundance is low (PubMed:40963025).

References

Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).

Images



Host: Rabbit
Target Name: LRRC58
Sample Tissue: A549 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

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