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Trim11 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12273

Product Information

Application	WB
Primary Accession	Q99PQ2
Other Accession	NM_053168, NP_444398
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Rat, Rabbit, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52580

Additional Information

Gene ID	94091
Other Names	E3 ubiquitin-protein ligase TRIM11, 6.3.2.-, Tripartite motif-containing protein 11, Trim11
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Trim11 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	Trim11 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

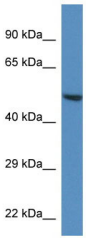
Name	Trim11
Function	E3 ubiquitin-protein ligase that promotes the degradation of insoluble ubiquitinated proteins, including insoluble PAX6, poly-Gln repeat expanded HTT and poly-Ala repeat expanded ARX (PubMed:18628401). Mediates PAX6 ubiquitination leading to proteasomal degradation, thereby modulating cortical neurogenesis (PubMed:18628401). May also inhibit PAX6 transcriptional activity, possibly in part by preventing the binding of PAX6 to its consensus sequences (PubMed:18628401). May contribute to the regulation of the intracellular level of HN (humanin) or HN-containing proteins through the proteasomal degradation pathway (PubMed:12670303). Mediates MED15 ubiquitination leading to proteasomal degradation (By similarity). May contribute to the innate restriction of retroviruses

(PubMed:18248090). Upon overexpression, reduces HIV-1 and murine leukemia virus infectivity, by suppressing viral gene expression (PubMed:18248090). Antiviral activity depends on a functional E3 ubiquitin-protein ligase domain (PubMed:18248090). May regulate TRIM5 turnover via the proteasome pathway, thus counteracting the TRIM5-mediated cross-species restriction of retroviral infection at early stages of the retroviral life cycle (PubMed:18248090). Acts as an inhibitor of the AIM2 inflammasome by promoting autophagy-dependent degradation of AIM2 (By similarity). Mechanistically, undergoes autoubiquitination upon DNA stimulation, promoting interaction with AIM2 and SQSTM1/p62, leading to AIM2 recruitment to autophagosomes (By similarity).

Cellular Location Cytoplasm. Nucleus. Note=In the nucleus, colocalizes with PAX6.

Tissue Location Expressed in embryonic central nervous system (CNS), kidney, thymus and gut.

Images



WB Suggested Anti-Trim11 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse heart

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