

Rabbit anti-Human ALIX/PDCD6IP Polyclonal Antibody | anti-PDCD6IP antibody

Anti-ALIX/PDCD6IP Antibody, Rabbit Polyclonal

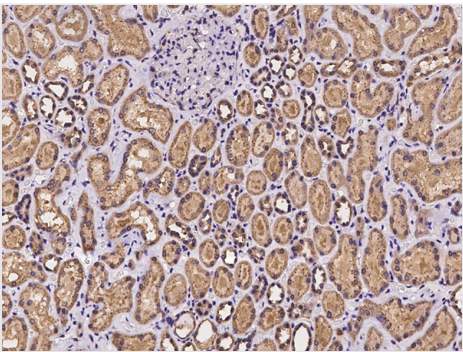
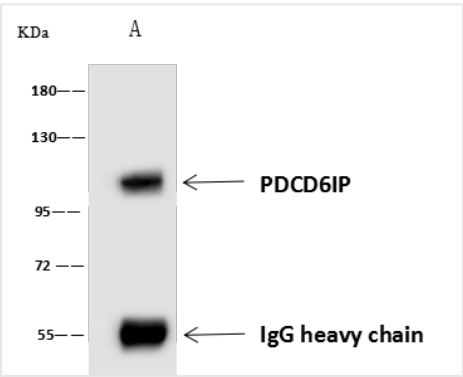
CATALOG # AAA256671	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ALIX/PDCD6IP; Polyclonal Antibody; Anti-ALIX/PDCD6IP Antibody; Rabbit Polyclonal; ALIX/PDCD6IP Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-ALIX Antibody; Anti-PDCD6IP Antibody; anti-PDCD6IP antibody

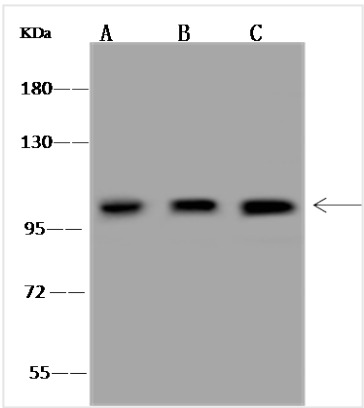
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ALIX/PDCD6IP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PDCD6IP antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human ALIX/PDCD6IP fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human ALIX/PDCD6IP fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human PDCD6IP in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

IP (Immunoprecipitation)
PDCD6IP was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-PDCD6IP rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PDCD6IP rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 96 kDa. Observed band size: 100 kDa.



WB (Western Blot)
Anti-PDCD6IP rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: HepG2 Whole Cell Lysate. Lane C: SHSY-5Y Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 95 kDa. Observed band size: 100 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PDCD6IP antibody	The programmed cell death 6 interacting protein (PDCD6IP) encodes for a protein that has been known to bind to the products of the PDCD6 gene, a required protein in apoptosis. This gene, PDCD6IP, plays an important role in the endosomal sorting complexes required for transport (ESCRT) pathway in the abscission stage of cytokinesis and apoptosis and is required for normal brain development in mice. PDCD6IP I/D polymorphism was potentially related to NSCLC susceptibility in the Chinese Han population. A novel interaction between the ATG12-ATG3 conjugate and the ESCRT-associated protein PDCD6IP/Alix promotes basal autophagy and endolysosomal trafficking. Moreover, ATG12-ATG3 is required for diverse PDCD6IP-mediated functions including late endosome distribution, exosome secretion, and viral budding.
References	Murrow L, et al. (2015) Atg12-atg3 connects basal autophagy and late endosome function. Autophagy 11 (6): 961-962. Liu SG, et al. (2014) The programmed cell death 6 interacting protein insertion/deletion polymorphism is associated with non-small cell lung cancer risk in a chinese han population. Tumour Biol 35 (9): 8679-8683. Khan A, et al. (2020) Pdc6ip, encoding a regulator of the escrt complex, is mutated in microcephaly. Clin Genet 98 (1): 80-85. Hashemi M, et al. (2015) Association between programmed cell death 6 interacting protein insertion/deletion polymorphism and the risk of breast cancer in a sample of iranian population. Dis Markers 2015 854621.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

