

Rabbit anti-Human KLHL12 Polyclonal Antibody | anti-KLHL12 antibody

Anti-KLHL12 Antibody, Rabbit Polyclonal

CATALOG # AAA256991	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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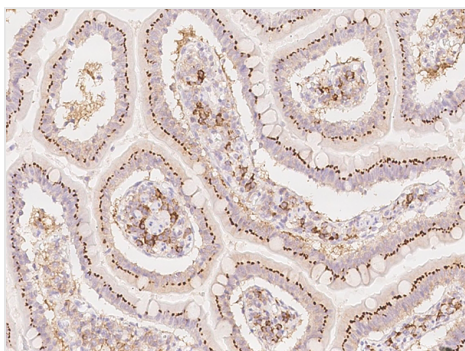
PRODUCT SYNONYMS

KLHL12; Polyclonal Antibody; Anti-KLHL12 Antibody; Rabbit Polyclonal; KLHL12 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-C3IP1 Antibody; Anti-DKIR Antibody; Anti-hDKIR Antibody; anti-KLHL12 antibody

PRODUCT SPECIFICATIONS

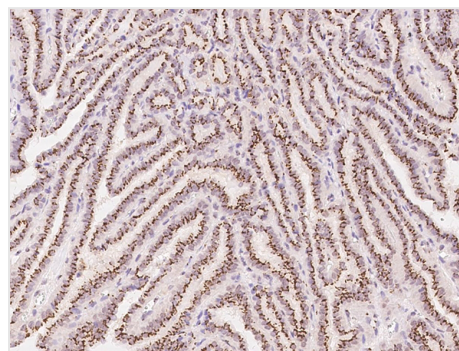
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human KLHL12
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-KLHL12 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human KLHL12 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human KLHL12 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.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human KLHL12 in human small intestine with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human KLHL12 in human thyroid carcinoma with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-KLHL12 antibody	KLHL12 is a novel interaction partner of the dopamine D4 receptor that functions as an adaptor in a Cullin3-based E3 ubiquitin ligase complex to target the receptor for ubiquitination. KLHL12 is a substrate specific adapter protein for a Cul3-Ring ligase complex. It is a member of the Kelch beta-propeller domain subclass of Cullin-Ring substrate recognition domains. This E3 ubiquitin ligase complex has many activities, including acting as a negative regulator of the Wnt signaling pathway by mediating ubiquitination and subsequent proteolysis of Dvl3/Dsh3. KLHL12 is also known to mediate the polyubiquitination of the dopamine D4 receptor (D4.2), the ubiquitination of KHSRP, a protein that is involved in IRES translation, and also the ubiquitination of Sec31, which is involved in endoplasmic reticulum-Golgi transport by regulating the size of COPII coats.
References	Zhao B, et al. (2020) Structural elucidation of peptide binding to klhl-12, a substrate specific adapter protein in a cul3-ring e3 ligase complex. Biochemistry 59 (8): 964-969.Rondou P, et al. (2010) Klhl12-mediated ubiquitination of the dopamine d4 receptor does not target the receptor for degradation. Cell Signal 22 (6): 900-913.McGourty CA, et al. (2016) Regulation of the cul3 ubiquitin ligase by a calcium-dependent co-adaptor. Cell 167 (2): 525-538.e514.

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/klhl12-antibody-immunohistochemistry-elisa/256991>