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Rabbit Anti-C3IP1 antibody

SL15164R

Product Name:	C3IP1
Chinese Name:	补体C3IP1抗体
Alias:	CUL3 interacting protein 1; CUL3-interacting protein 1; DKIR; FLJ27152; Kelch like 12 (Drosophila); Kelch like 12; Kelch like 12 variant; Kelch like protein 12; kelch like protein C3IP1; Kelch-like protein 12; KLH12_HUMAN; KLHL 12; KLHL12; OTTHUMP00000038799.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human C3IP1 :1-100/568
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	KLHL12 is a 568 amino acid protein that is a component of an ubiquitin-protein E3 ligase complex, which includes at least CUL-3. KLHL12 is a substrate-specific adapter for the complex, which negatively regulates the Wnt signaling pathway via the targeted ubiquitination and subsequent proteolysis of Dvl-3. KLHL12 contains six Kelch repeats

and one BTB (POZ) domain, which is required for interaction with CUL-3. KLHL12 has highest expression in testis, with lower levels found in the submandibular salivary gland. The gene that encodes KLHL12 maps to human chromosome 1q32.1

Function:
Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a negative regulator of Wnt signaling pathway and ER-Golgi transport. The BCR(KLHL12) complex is involved in ER-Golgi transport by regulating the size of COPII coats, thereby playing a key role in collagen export, which is required for embryonic stem (ES) cells division: BCR(KLHL12) acts by mediating monoubiquitination of SEC31 (SEC31A or SEC31B). As part of the BCR(KLHL12) complex, also acts as a negative regulator of the Wnt signaling pathway by mediating ubiquitination and subsequent proteolysis of DVL3. The BCR(KLHL12) complex also mediates polyubiquitination of DRD4, without leading to degradation of DRD4.

Subunit:
Component of the BCR(KLHL12) E3 ubiquitin ligase complex, at least composed of CUL3 and KLHL12 and RBX1. This complex interacts with DVL3 upon activation of the Wnt signaling pathway by WNT3A. Interacts with DRD4, KLHL12 and SEC31A.

Subcellular Location:
Cytoplasmic vesicle, COPII-coated vesicle.

Tissue Specificity:
Ubiquitously expressed. Highly expressed in testis and at lower levels in the submandibular salivary gland.

Similarity:
Contains 1 BACK (BTB/Kelch associated) domain.
Contains 1 BTB (POZ) domain.
Contains 6 Kelch repeats.

SWISS:
Q53G59

Gene ID:
59349

Database links:

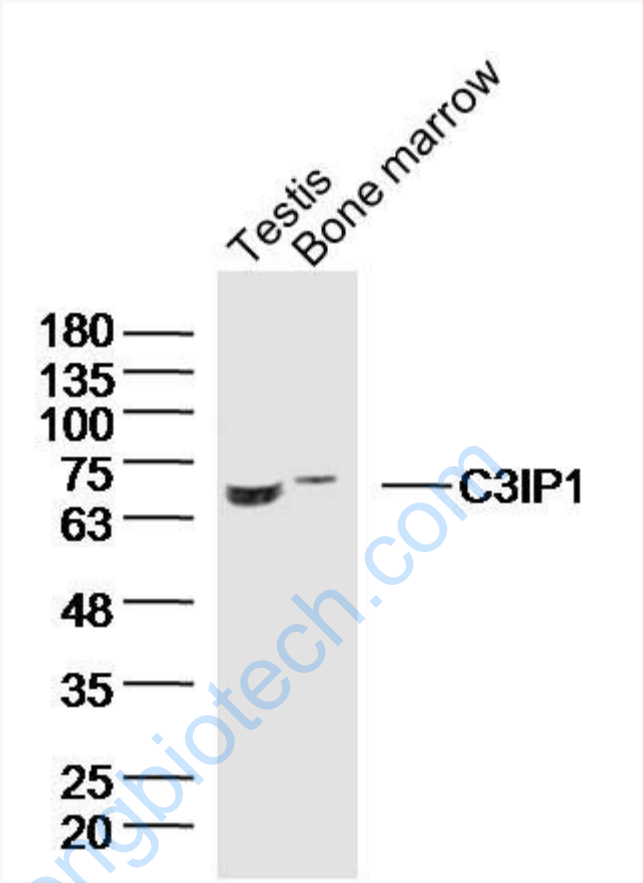
Entrez Gene: 768068 Cow

Entrez Gene: 59349 Human

Entrez Gene: 240756 Mouse

	Entrez Gene: 266772 Rat Entrez Gene: 431860 Xenopus laevis Entrez Gene: 492362 Zebrafish Omim: 614522 Human SwissProt: E1B932 Cow SwissProt: Q53G59 Human SwissProt: Q8BZM0 Mouse SwissProt: Q8R2H4 Rat SwissProt: Q6NRH0 Xenopus laevis SwissProt: Q5U374 Zebrafish Unigene: 706793 Human Unigene: 478061 Mouse Unigene: 87398 Mouse Unigene: 15513 Rat Unigene: 32296 Xenopus laevis Unigene: 81655 Zebrafish **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Testis (Mouse) Lysate at 40 ug

Bone marrow (Mouse) Lysate at 40 ug

Primary: Anti-C3IP1 (SL15164R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 63 kD

Observed band size: 65 kD