10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CAND2 (C-terminal specific) (RABBIT) Antibody
CAND2 Antibody
Catalog # ASR3725

Specification

Anti-CAND2 (C-terminal specific) (RABBIT) Antibody - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Rat, Human, Mouse**
Clonality	**Polyclonal**
Application	**WB, IHC, E, IP, I, LCI**
Application Note	**This antibody reacts with human, rat, and mouse CAND2 tested by western blot and immunoprecipitation. The antibody immunoprecipitates in vitro translated protein and protein from transfected cell lysates (using HeLa and NIH-3T3, and others). Coimmunoprecipitation of related proteins has not been tested. A 125.4 kDa band corresponding to human CAND2 is detected. CAND2 is specifically expressed in muscle and heart tissue. Researchers should determine optimal titers for other applications.**
Physical State	**Liquid (sterile filtered)**
Immunogen	**This antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 1130-1143 of Human CAND2/TIP120B (C-terminal) coupled to KLH.**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-CAND2 (C-terminal specific) (RABBIT) Antibody - Additional Information

Gene ID 23066

Other Names
23066

Purity
This product is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. This product reacts with human, rat and mouse CAND2/TIP120B. Cross reactivity does occur with human, rat and mouse CAND1/TIP120A. Cross reactivity with CAND2 from other sources is not known.

Storage Condition
Store CAND2 antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely

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clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-CAND2 (C-terminal specific) (RABBIT) Antibody - Protein Information

Name CAND2

Synonyms KIAA0667, TIP120B

Function
Probable assembly factor of SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complexes that promotes the exchange of the substrate- recognition F-box subunit in SCF complexes, thereby playing a key role in the cellular repertoire of SCF complexes.

Cellular Location
Nucleus.

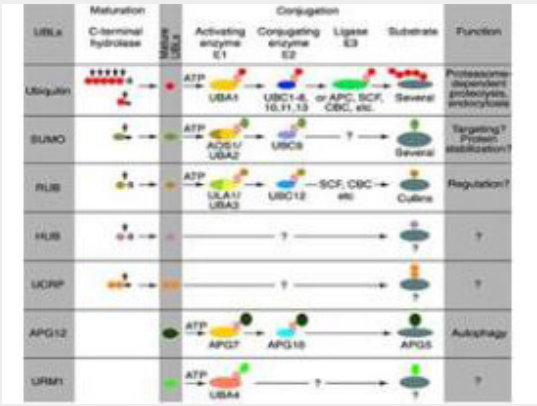
Tissue Location
Expressed in epididymis (at protein level).

Anti-CAND2 (C-terminal specific) (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CAND2 (C-terminal specific) (RABBIT) Antibody - Images



Most modifiers mature by proteolytic processing from inactive precursors (a; amino acid).

Arrowheads point to the cleavage sites. Ubiquitin is expressed either as polyubiquitin or as a fusion with ribosomal proteins. Conjugation requires activating (E1) and conjugating (E2) enzymes that form thiolesters (S) with the modifiers. Modification of cullins by RUB involves SCF(SKP1/cullin-1/F-box protein) /CBC(cullin-2/elongin B/elonginC) -like E3 enzymes that are also involved in ubiquitination. In contrast to ubiquitin, the UBLs do not seem to form multi-UBL chains. UCRP(ISG15) resembles two ubiquitin moieties linked head-to-tail. Whether HUB1 functions as a modifier is currently unclear. APG12 and URM1 are distinct from the other modifiers because they are unrelated in sequence to ubiquitin. Data contributed by S.Jentsch.

Anti-CAND2 (C-terminal specific) (RABBIT) Antibody - Background

Anti-CAND2 antibody is ideal for western blotting, ELISA and IHC. CAND2 is also known as TIP120B, and TATA-binding protein-interacting protein 120B. While both CAND1 (TIP120A) and CAND2 (TIP120B) are TATA-binding proteins and form complexes with various nuclear proteins involved in the control of eukaryotic gene transcription, CAND2 (TIP120B) is expressed specifically in muscle and heart tissue. This is contrary to the ubiquitous expression of CAND1 (TIP120A). TIP120 homologs exist in various higher eukaryotes including D. melanogaster, C. elegans, and A. thaliana. TIP120B is 60% identical in amino acid sequence to TIP120A.