

## Ecadherin binding protein E7 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58986

## **Product Information**

**Application** WB, IHC-P, IHC-F, IF, E

Primary Accession Q75N03

**Reactivity** Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 54519
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human CBLL1/Ecadherin

binding protein E7

Epitope Specificity 221-320/491

Isotype IgG

**Purity** affinity purified by Protein A

Buffer0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.SIMILARITYContains 1 C2H2-type zinc finger. Contains 1 RING-type zinc finger.SUBUNITHomodimer. Interacts with tyrosine-phosphorylated SRC substrates.Important NoteThis product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

**Background Descriptions** CBLL1, also known as HAKAI (meaning 'destruction' in Japanese), or RNF188

(RING finger protein 188), is a 491 amino acid protein that contains one C2H2-type zinc finger and one RING-type zinc finger. CBLL1 is believed to function as an E3 ubiquitin-protein ligase that accepts a ubiquitin residue from an E2 ubiquitin-conjugating enzyme and immediately transfers that residue to a protein that is targeted for degradation. More specifically, upon

activation of c-Src, CBLL1 interacts with and ubiquitinates

tyrosine-phosphorylated E-cadherin, thereby targeting the E-cadherin

complex for endocytosis and disrupting epithelial cell-cell contacts. Via its role as an E-cadherin regulator, CBLL1 participates in cell adhesion and may also

be involved in the regulation of epithelial-mesenchymal transitions.

## **Additional Information**

**Gene ID** 79872

Other Names E3 ubiquitin-protein ligase Hakai, 2.3.2.27, CBLL1 (HGNC:21225)

**Dilution** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-

10000

Format 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

## **Protein Information**

Name CBLL1 ( HGNC:21225)

**Function** E3 ubiquitin-protein ligase that mediates ubiquitination of several

tyrosine-phosphorylated Src substrates, including CDH1, CTTN and DOK1 (By similarity). Targets CDH1 for endocytosis and degradation (By similarity). Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a

role in the efficiency of mRNA splicing and RNA processing

(PubMed: 29507755). Its function in the WMM complex is unknown

(PubMed:29507755).

**Cellular Location** Nucleus speckle. Nucleus, nucleoplasm. Cytoplasm

{ECO:0000250|UniProtKB:Q9JIY2}. Note=Mainly nuclear with some fraction located in the cytoplasm. ZC3H13 is required to anchor component of the

MACOM subcomplex, such as VIRMA, in the nucleus

{ECO:0000250 | UniProtKB:Q9JIY2}

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